

Beautiful Campus

Submitted by

Mostak Ahmed 171-35-1952

Department of Software Engineering

Daffodil International University

Supervised by

Ms. Nusrat Jahan
Assistant Professor
Department of Software Engineering
Daffodil International University

This Project report has been submitted in fulfillment of the requirements for the Degree of Bachelor of Science in Software Engineering.

APPROVAL

This project titled on "Beautiful Campus", submitted by Mostak Ahmed (ID: 171-35-1952) to the Department of Software Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of Bachelor of Science in Software Engineering and approval as to its style and contents.

APPROVAL	
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J.	Chairman
Dr. Imran Mahmud Associate Professor and Head Department of Software Engineering Daffodil International University	
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Bhosamer-	Internal Examiner 2
Khalid Been BadruzzamanBiplob Senior Lecturer Department of Software Engineering Daffodil International University	
Affar Hel	External Examiner
Professor Dr M Shamim Kaiser, Professor Institute of Information Technology Jahangirnagar University	

DECLARATION

I hereby declare that project titled "Beautiful Campus" has been completed by me under the supervision of Ms. Nusrat Jahan, Assistant Professor, Department of Software Engineering, Daffodil International University for the purpose of achieving degree of Bachelor of Science from Daffodil International University. This is also declared by me that neither this project nor any part of this project has been used or submitted elsewhere for any kind of degree or awards.

Internal Examiner 1

Nusrat Jahan Assistant Professor Department of Software Engineering Daffodil International University

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I'd want to thank everyone of my Daffodil International University classmates who engaged in this discussion while completing course work.

Finally, and most importantly, I must respect my parents' wholehearted support and patience.

ABSTRACT

The Purpose of the project "BEAUTIFUL CAMPUS" is to digitally collect the survey of the complain by the university student, the project is based on web application that provide student a major way to organize, monitor, manage, and handle complaints, as well as to give the university an effective tool to identify and target problem areas, track complaints handling performance, and enhance solution processes. Beautiful Campus is online complain management system that empowers student with instant access to various information and collect the reasonable complain that a student face in their campus.

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CHAPTER 01 Introduction

1.1 Project Overview

Beautiful Campus offers a web-based solution to student difficulties that saves time, minimize hassle and get solution quickly. The Beautiful Campus project's goal is to make it easier to organize, monitor, manage, and handle complaints, as well as to give the university an effective tool to identify and target problem areas, track complaints handling performance, and enhance business processes.

Beautiful Campus is an online complaint management system that is used to reply quickly to student complaints.

Beautiful Campus is a complaint handling system that gives an online alternative for students to solve concerns while saving time and staying connected to the varsity coordinator.

The goal of the complaints management system is to make it simpler to monitor, track, and address complaints in order to offer the varsity with an efficient tool for identifying problem areas, monitoring complaint handling performance, and making Campus more improved.

This technique allows students to save time while also eliminating corruption in the classroom. The suggested solution eliminates the requirement for the students to visit the coordinator's office to resolve a problem.

He can get his problem fixed by publishing it in this suggested system, and he can also provide a possible solution to the problems that have been reported on the system.

In a private university, there is no direct communication between theadministration (coordinator) and the students in an efficient manner for problem solving, i.e. to get a problem solved in our campus, we have to bribe the officials and get it solved in two months when it can be solved in one month.

1.2 Project Purpose

1.2.1 Project Background

In the era of Digital Bangladesh, we have to solve every problem Digitally. In order to maintain a big varsity campus suitable for the students sometimes we have to face many problems. Through this Digital Campaign "Beautiful Campus", we can easily represent our problem to the authorities of our varsity so that we can get the solution of that problem very easily.

1.2.2 Benefits & Beneficiaries

Benefits

- User can easily add suggestion through the system to Admin
- User can add complain any kind of problem to admin by system.
- User can get notify if their complain approve or not.
- User can get help from Help Line on LIVE Chat.
- User can get University notice on Dashboard notice section.

Beneficiaries

- Student (User)
- Admin
- Super Admin

1.2.3 Goals

- Provide Digital Solution
- Easy paperless System
- Send report anonymously.
- Make campus Beautiful.
- Make campus more comfort for Student.
- Get every notification from university.

1.3 Proposed System Model

A software model is a simplify representation of a software process. Each Model represents a process from a specific perspective.

1.3.1 Agile Model

Our proposed model is Agile model. The Agile Model word in software means the ability to respond to changes when needed technology and people in Agile Model. Engineering terms carried out by the functional teams. [1]

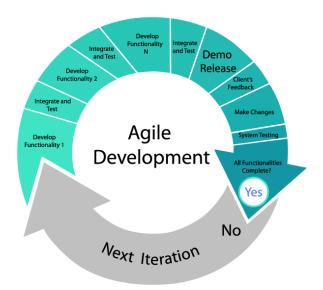


Fig 1.3.1 Agile Model

1.3.2 Gantt Chart

Activities		W 1	W 2	W 3	W 4	W 5	W 6	W 7	W 8	W 9	W 10	W 11	W 12	W 13	W 14	W 15
Planning	Ideas															
	Problem definition															
	Proposal planning															
Requirements	Requirement Specification															
	Requirement analysis															
QA -1	Quality assurance															
System Design	Design specification															
	Interface design Database design															
Development	Development system modules															
	Integrate system modules															
QA -2	Test Cases															
Testing	Black box testing															
Resolve Issues	Resolve issues found															
Release	Software release															

Fig 1.3.2 Gantt Chart

CHAPTER 02 SOFTWARE REQUIREMENT SPECIFICATION

2.1 Functional Requirement

For User

RQ ID	RQ Name	Description	RQ Type	Priority
FC.U.RQ 1	Login	Users can log in using username and password	Functional	High
FC.U.RQ 2	Registration	Users can register himself/herself on the system by giving require information.	Functional	High
FC.U.RQ 3	Assign Complains	Users can submit any type of complain with description	Functional	High
FC.U.RQ 4	Assign Suggestions	Users can submit any type of Suggestions with description	Functional	Mid
FC.U.RQ 5	View Complain	User can view their assigned review.	Functional	Mid
FC.U.RQ 6	Update Complain	User can update their complain.	Functional	Mid
FC.U.RQ 7	View Suggestion	User can view their assigned Suggestion.	Functional	Mid
FC.U.RQ 8	Get Help	Users can help from Helpline by Live Chat.	Functional	Mid
FC.U.RQ 9	Get Notification	User can get every notice from university notice board.	Functional	Mid

Fig 2.1.1 Functional Requirement for user

For Admin:

RQ ID	RQ Name	Description	RQ Type	Priority
FC.A.RQ 1	Login	Admin can log in using email and password.	Functional	High
FC.A.RQ 2	See All Complains	Admin can see all User's Complain Submission.	Functional	High

FC.A.RQ 3	Solve the problem	Admin can solve the problem physically and assign it the system as a solve.	Functional	High
FC.A.RQ 4	Change Status	Admin can approve user complain/Suggestion request.	Functional	High
FC.A.RQ 5	Generate Report	Admin send a email if he/she approve any complain.	Functional	High
FC.A.RQ 6	Manage Account	Admin can update, delete the user account.	Functional	High
FC.A.RQ 7	View User list	Admin can check user list	Functional	High
FC.A.RQ 7	Give Solution	Admin can give instant help to user by live Chat.	Functional	High
FC.A.RQ 8	Give Notice	Admin can upload notice in system.	Functional	High
FC.A.RQ 9	View Notice	Admin can view Notice which is uploaded.	Functional	Mid

Fig 2.1.2 Functional Requirement for Admin

For Authority

RQ ID	RQ Name	Description	RQ Type	Priority
FC.A.RQ 1	Login	Authority can log in using email and password	Functional	High
FC.A.RQ 2	View Complains	Authority can see all User's Complain Submission	Functional	High
FC.A.RQ 3	View Suggestions	Authority can see all User's Suggestion Submission	Functional	High
FC.A.RQ 4	User complain approve	Authority can approve user complain request	Functional	High
FC.A.RQ 5	View all user list	Authority can view all user list.	Functional	High
FC.A.RQ 6	Check Report	Authority can audit or check report that generate by admin.	Functional	High

2.2 Performance Requirement

2.2.1 Speed and Latency Requirement

- Data would be insert in MySQL database within few second.
- Database Query would be response on time and bring the result within few second.
- System UI should load within 3 second. However, it depends on machine and internet speed.

2.2.2 Precisions or Accuracy Requirements

- After successful login user should show the accurate result.
- All the complaint and application data should store accurate and valid information to the database.
- Specific complain and application would be view for specific user.
- Only register user can update their complain information.
- Only register users can make digital license and QR code by using their information.

2.3 Dependability Requirement

2.3.1 Reliability Requirements

- The user registration should register as a new user and update database with given information.
- Only accurate information can give access on the system.
- If user forget their password, he/she can change new password.
- Every new user must be verifying their email id in first login.
- Every user can update their complain information.
- This system should run on a web browser.
- This system should conduct operations immediately upon user request.
- This system design is responsive so it can comfortable for any device (Mobile, Tab, PC).

2.4 Maintainability and Supportability Requirement

2.4.1 Maintenance Requirement

- Modify the system when there are changes in the application environment.
- Fix bug when the system in corrupted.
- Fix accidental data mistakes by user.

2.4.2 Supportability Requirements

- Provide user manual.
- For user better experience, provide FAQ.

2.5 Security Requirement

2.5.1 Access Requirement

- Only registered and email verify user can login to the system.
- Only Admin can approve user complain.
- Only specific provide email id and password will accept for Authority/Admin login.
- Admin and Authority can Check user complains.
- Admin can send mail notification to authority.

2.6 Usability and Human-Interaction Requirement

2.6.1 Ease of Use Requirement

- System user interface should be more user friendly.
- New user should knowledge about the system.
- Profile maintains and user manual is not complex.

2.6.2 Understandability and Politeness Requirement

- Any kind of user should understand the system.
- Non-technical user can also operate the system.

CHAPTER 03 SYSTEM ANALYSIS

Introduction:

In general, systems development consists of two major components: data integration and computer architecture. The process of planning a new system or one to enhance or supplement an existing system known as software architecture. But, before we can start planning, we must first extensively study the existing system and determine how technology may best be used to improve productivity. The way to acquire and analyzing facts, diagnosing problems, and applying the information to propose system improvements is then referred to as network analysis. This is the duty of the systems analyst. It is the process of designing a good business system or upgrading an old one and outlining its components to meet specific needs. Before you begin preparing, you must properly review the existing system and identify what computer can be used very effectively.

3.1 Use Case

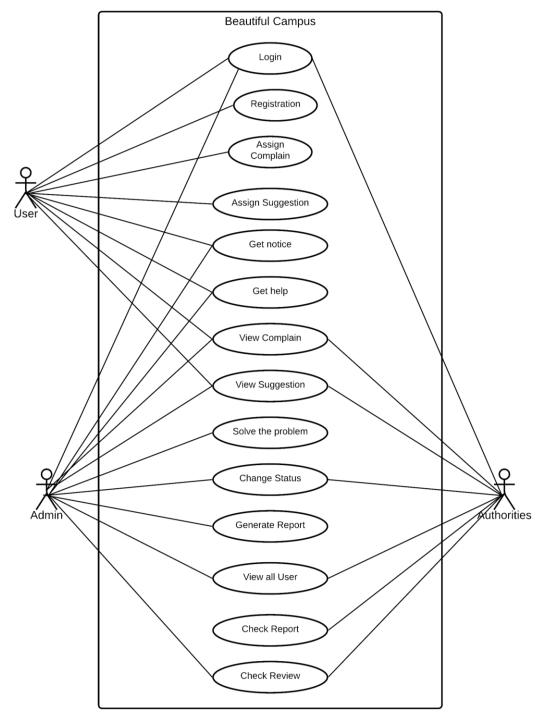


Fig 3.1.1: Use case [2]

3.1.1 Use Case for User

Use Case name	Login				
Scenario	Us	ser			
Brief Description	Users should login with the	ir own valid email address.			
Actor	User (S	tudent)			
Pre-condition	Must be use valid email and login type				
Post-Condition	Users must confirm email verification before login				
	User System				
Flow of Condition	 Users must confirm email verification before login Confirm valid email address. Confirm valid passwo Email verification. Give access to the system 				
Exception Condition	Give permission for access to the account.				

Use Case name	Registration	
Scenario	User (Student) Registration to the system	
Brief Description	Users should register themselves by their own email address.	
Actor	User (Student)	
Pre-condition	Must be login in to the system.	
Post-Condition	Users must confirm registration with email verification	
Flow of Condition	User System	

	Must provide Valid email.	 Must fill up all required Field Confirm valid email Address Confirm unique email address. Verify confirm password
Exception Condition	Get permission to create an account.	

Use Case name	Assign Suggestion	
Scenario	Users (Student)can create a suggestion if any problem occurs in campus	
Brief Description	Users should assign a valid suggestion, what admin should change	
Actor	User (Student)	
Pre-condition	Must be login in to the system.	
Post-Condition	Users must confirm the suggestion will be a big change for the campus.	
	User System	
Flow of Condition	Must provide Valid reason.	 Must fill up all required Field Make sure the reason is valid.
Exception Condition	Get permission to add a suggestion to the system.	

Use Case name	View Complain	
Scenario	Users (Student) can check their added complain list on the system.	
Brief Description	Users can view their complain status, and added complain list.	
Actor	User (Student)	

Pre-condition	Must be login in to the system	
Post-Condition	Users must be at least one complain in our system.	
	User	System
Flow of Condition	 Must add a complaint before to check the complaint list. Must add valid information 	Provide specific User's complaint list from system
Exception Condition	View complaint list of users.	

Use Case name	View Suggestion	
Scenario	Users (Student) can check their added Suggestion list on the system.	
Brief Description	Users can view their suggestion status, and added suggestion list.	
Actor	User (Student)	
Pre-condition	Must be login in to the system	
Post-Condition	Users must be at least one suggestion in our system.	
	User System	
Flow of Condition	 Must add a suggestion before to check the suggestion list. Must add valid information 	Provide specific User's suggestion list from system
Exception Condition	View suggestion list of users.	

Use Case name	View Notice Board
---------------	-------------------

Scenario	Users (Student) can check notice list on the system.	
Brief Description	Users can view university any published notice immediately.	
Actor	User (Student)	
Pre-condition	Must be login in to the system	
Post-Condition	Users should check all notice board.	
	User	System
Flow of Condition	Must check all notice in notice board.	 Provide specific User's notice list from system.
Exception Condition	View notice list of users.	

Use Case name	Get help	
Scenario	Users (Student) can get help on the system.	
Brief Description	Users can get help by chat with helpline.	
Actor	User (Student)	
Pre-condition	Must be login in to the system	
Post-Condition	Users will chat first with helpline.	
	User	System
Flow of Condition	User will message first	 Provide specific User's solution by helpline.

3.1.2 Use Case for Admin

Use Case name	Login	
Scenario	Admin logged on to the system	
Brief Description	Admin have a specific account defined by system, then he will be able to access the system	
Actor	Admin	
Pre-condition	Must be use define valid email and password	
Post-Condition	Admin must have power to use system.	
	Admin System	
Flow of Condition	Admin must have power to use system	Confirm valid email address.Fetch user's data.
Exception Condition	Access to manage accounts and others access.	

Use Case name	View Complain	
Scenario	Admin will show the user Complain list.	
Brief Description	Admin will see the complain list that provide by user.	
Actor	Admin	
Pre-condition	Admin must be login his/her Admin Dashboard.	
Post-Condition	Admin must have a good ethics.	
Flow of Condition	Admin System	

	Check all dataIsolate suspicious data.	Fetch user's complain list.
Exception Condition	Access to see user's complain list.	

Use Case name	View Suggestion	
Scenario	Admin will show the user suggestion list.	
Brief Description	Admin will see the suggesti	on list that provide by user.
Actor	Admin	
Pre-condition	Admin must be login his/her Admin Dashboard.	
Post-Condition	Admin must have a good ethics.	
	Admin System	
Flow of Condition	Check all dataIsolate suspicious data.	• Fetch user's suggestion list.
Exception Condition	Access to see user's Suggestion list.	

Use Case name	Solve the problem	
Scenario	Admin will solve the problem.	
Brief Description	Admin will solve the problem which is complain by user physically	
Actor	Admin	

Pre-condition	Admin must be login his/her Admin Dashboard.	
Post-Condition	Admin must have a good ethics.	
	Admin System	
Flow of Condition	• Solve the problem which is in list.	• Fetch user's complain list.
Exception Condition	Admin will solve the problem.	

Use Case name	Approve Complain/Suggestion		
Scenario	Admin will approve the v	valid complain/suggestion	
Brief Description	<u> </u>	vas valid reason or not, then he/she ain and try to solve it.	
Actor	Ad	Admin	
Pre-condition	Admin must be login his/her Admin Dashboard.		
Post-Condition	Admin must have power to use system.		
	Admin System		
Flow of Condition	Admin must accept only the valid complain	Get access to approve the complain.Fetch user's data.	
Exception Condition	Access to change the status of approve complain.		

Use Case name	Solve the problem		
Scenario	Admin will sol	Admin will solve the problem.	
Brief Description	Admin will solve the problem whi	ich is complain by user physically	
Actor	Adı	min	
Pre-condition	Admin must be login his/her Admin Dashboard.		
Post-Condition	Admin must have a good ethics.		
	Admin	System	
Flow of Condition	Solve the problem which is in list.	• Fetch user's complain list.	
Exception Condition	Admin will solve the problem.		

Use Case name	Generate Report	
Scenario	Admin will send a report which complain is accept by him.	
Brief Description	Admin will mail the authority which complain was accepted.	
Actor	Admin	
Pre-condition	Admin must be login his/her Admin Dashboard.	
Post-Condition	Admin should have a strong internet.	
Flow of Condition	Admin System	

	Send a mail to authority.	Send the mail immediately to the authorities.
Exception Condition	Admin will success to ma	il a report to the authority.

Use Case name	View User List	
Scenario	Admin will view all user details	
Brief Description	Admin will check all us	ser details and manage.
Actor	Admin	
Pre-condition	Admin must be login his/her Admin Dashboard.	
Post-Condition	Admin should have a strong ethics.	
	Admin System	
Flow of Condition	Check valid user.	Fetch user data.Manage operation.
Exception Condition	Admin will view and manage user data.	

3.1.3 Use Case for Authority

Use Case name	Login	
Scenario	Authority logged on to the system	
Brief Description	Authority has a specific account defined by system, then he will be able to access the system	

Actor	Authority	
Pre-condition	Must be use define valid email and password	
Post-Condition	Authority must have power to use system.	
	Authority	System
Flow of Condition	 Authority must have power to use system 	Confirm valid email address.Fetch user's data.
Exception Condition	Access to manage accounts and others access.	

Use Case name	View Complain	
Scenario	Authority will show the user Complain list and manage.	
Brief Description	Authority will see the compl	ain list that provide by user.
Actor	Authority	
Pre-condition	Authority must be login his/her Admin Dashboard.	
Post-Condition	Authority must have a good ethics.	
	Authority System	
Flow of Condition	Check all dataIsolate suspicious data.	• Fetch user's complain list.
Exception Condition	Access to see user's complain list.	

Use Case name	View Suggestion		
Scenario	Authority will show the user suggestion list.		
Brief Description	Authority will see the suggestion list that provide by user.		
Actor	Authority		
Pre-condition	Authority must be login his/her Admin Dashboard.		
Post-Condition	Authority must have a good ethics.		
	Authority	System	
Flow of Condition	Check all dataIsolate suspicious data.	• Fetch user's suggestion list.	
Exception Condition	Access to see user's Suggestion list.		

Use Case name	Check Report	
Scenario	Authority will check a report which complain is accept by admin.	
Brief Description	Authority will check mail the which is accept by admin.	
Actor	Authority	
Pre-condition	Authority must be login his/her Admin Dashboard.	
Post-Condition	Authority should have a strong internet.	
Flow of Condition	Authority	System

	Check the mail send by admin.	Show the mail immediately to the authorities.
Exception Condition	Authority will success to check the mail.	

3.2 Activity Diagram

3.2.1 Activity Diagram for User

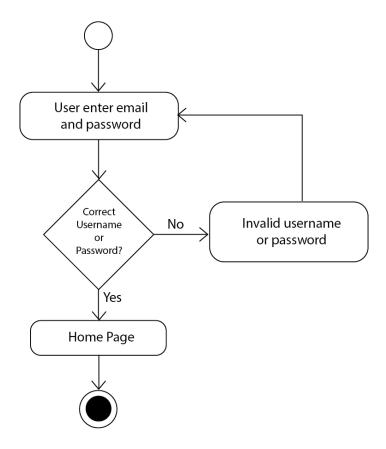


Fig 3.2.1.1 User Login

User should enter email and password after verifying user will enter home page.

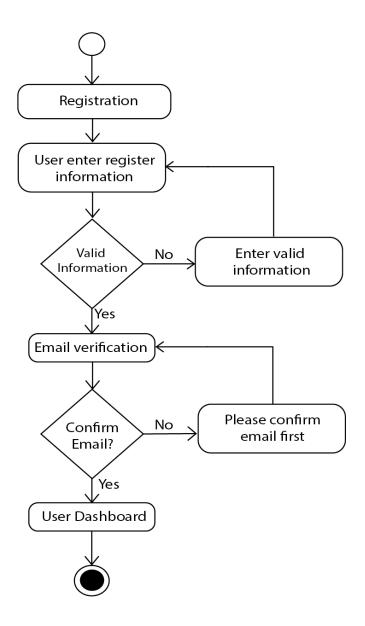


Fig 3.2.1.2 User Registration

Users should register themselves by their own email address. After verifying email verification then user will enter the user dashboard.

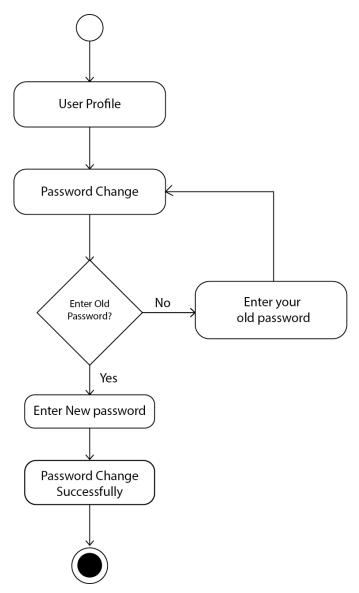


Fig 3.2.1.3 User Password Change

User can change their password by using old password.

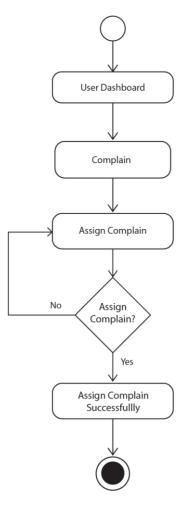


Fig 3.2.1.4 User Assign Complain

After entering dashboard User will assign a complain.

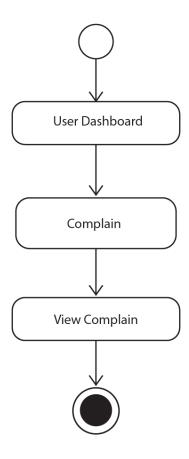


Fig 3.2.1.5 User View Complain

After assigning complain user can view his own complain

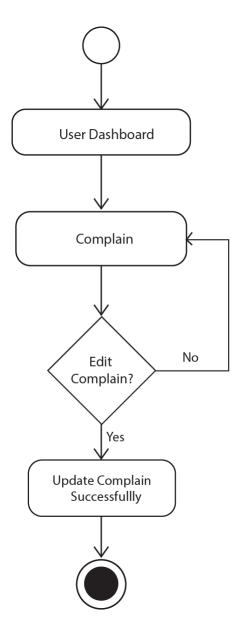


Fig 3.2.1.6 User Edit Complain

User Can edit complain after assigning complain in the system.

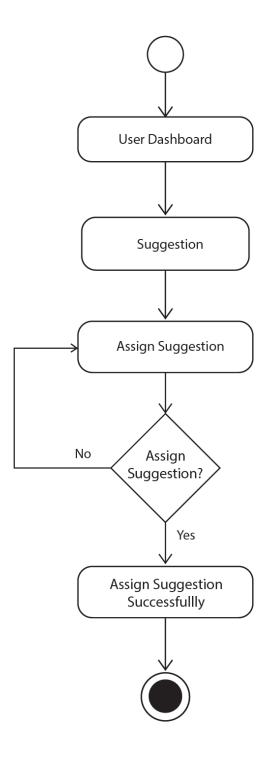


Fig 3.2.1.7 User Assign Suggestion

After entering dashboard User will assign a suggestion.

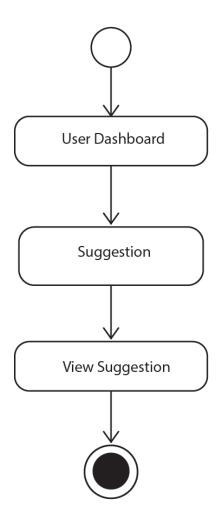


Fig 3.2.1.8 User View Suggestion

User Can view suggestion after assigning suggestion in the system.

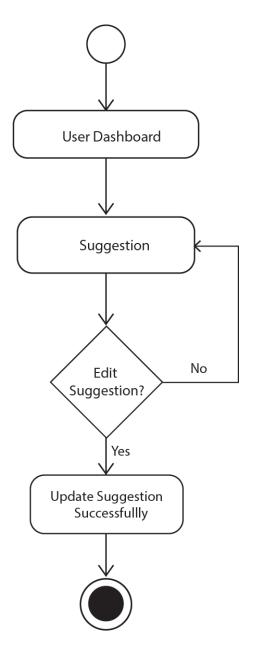


Fig 3.2.1.9 User Edit Suggestion

User Can edit suggestion after assigning a suggestion in the system

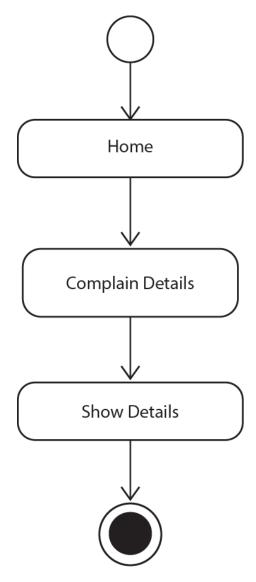


Fig 3.2.1.10 User Complain Details

User can view complain status and view complain details.

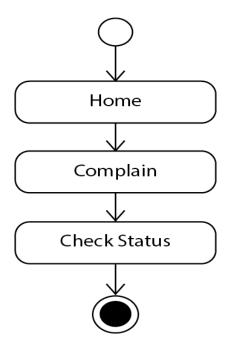


Fig 3.2.1.11 User Complain Status

User Can check complain status like the status is pending or approve.

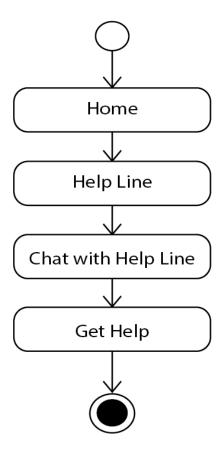


Fig 3.2.1.12 User Get Help

User can chat with help line by using this system.

3.2.2 Activity Diagram for Admin

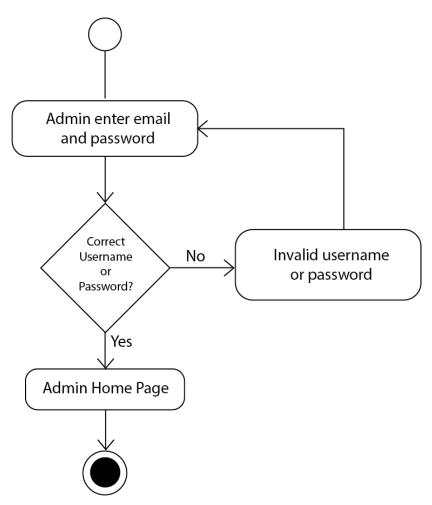


Fig 3.2.2.1 Admin Login

Admin enter email and password and then he can access to the system.

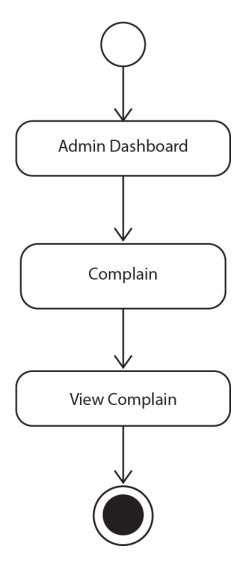


Fig 3.2.2.2 Admin Complain

Admin can check user complain

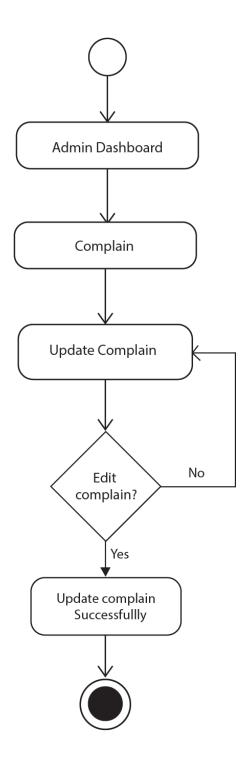


Fig 3.2.2.3 Admin Update Complain

Admin can update user complain if user input mistakenly.

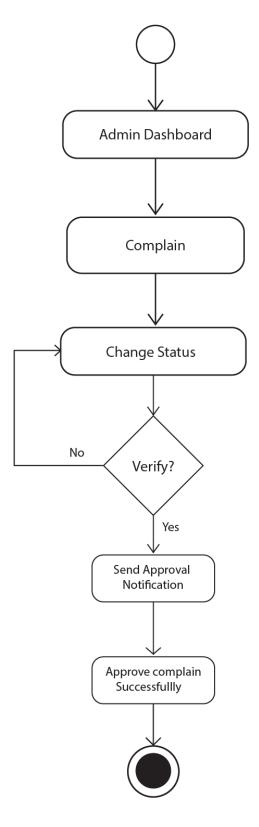


Fig 3.2.2.3 Admin Complain Approve

Admin can change the status the user complain and send a approval notification to super admin or authority.

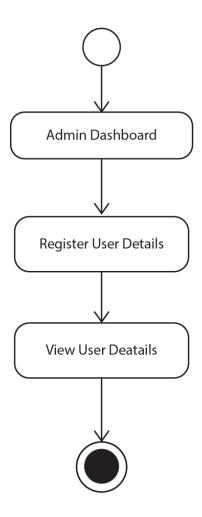


Fig 3.2.2.4 Admin User Details

Admin can check user details in the system.

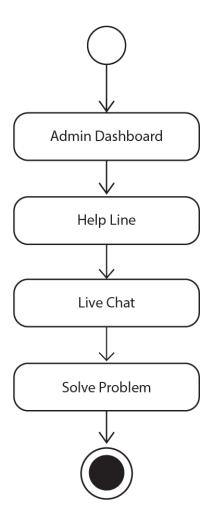


Fig 3.2.2.5 Admin User Help

Admin can help user by chat with them as a helpline.

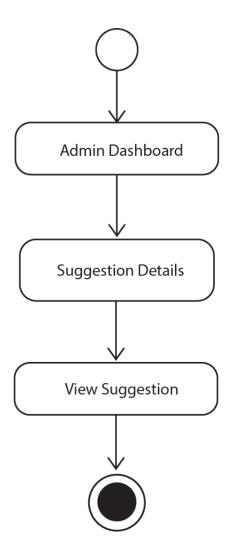


Fig 3.2.2.5 Admin User Suggestion Details

Admin can check user suggestion details in the system.

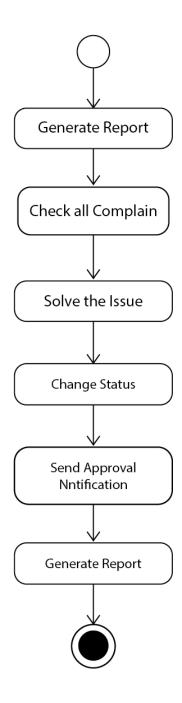


Fig 3.2.2.6 Admin Generate Report

Admin can generate report of user complain and suggestion and send it to super admin.

3.2.3 Activity Diagram for Authority

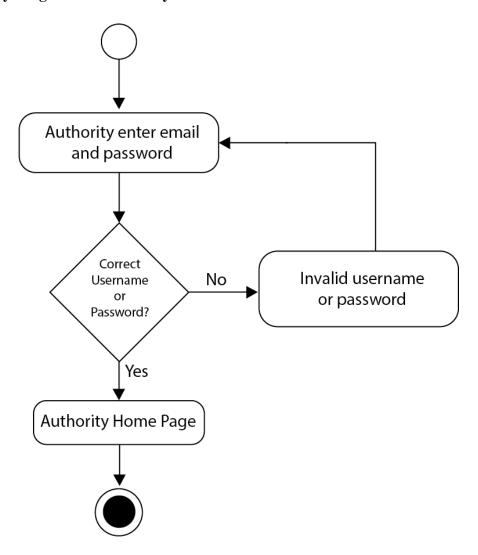


Fig 3.2.3.1 Authority Login

Authority can login to system by provide right email id and password.

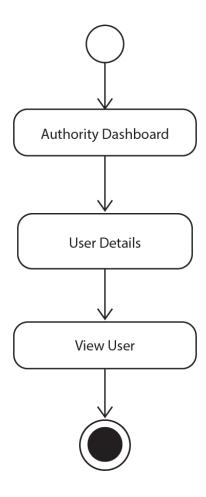


Fig 3.2.3.2 Authority View User

Authority can view user details like admin.

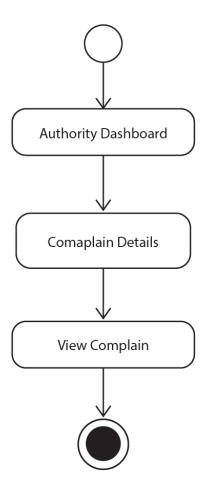


Fig 3.2.3.2 Authority User Complain

Authority can check user complain details in this system.

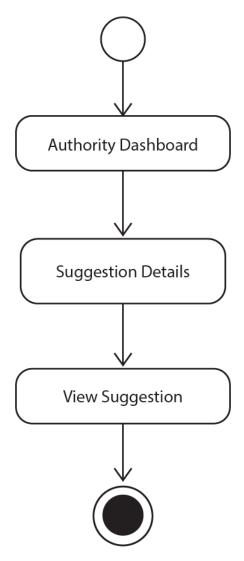


Fig 3.2.3.3 Authority User Suggestion

Authority can check user suggestion details in this system.

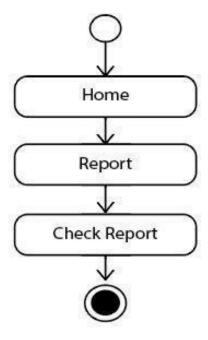


Fig 3.2.3.4 Authority Report check

Authority can check admin complain approval details in this system.

3.3 Sequence Diagram

3.3.1 Sequence Diagram for User

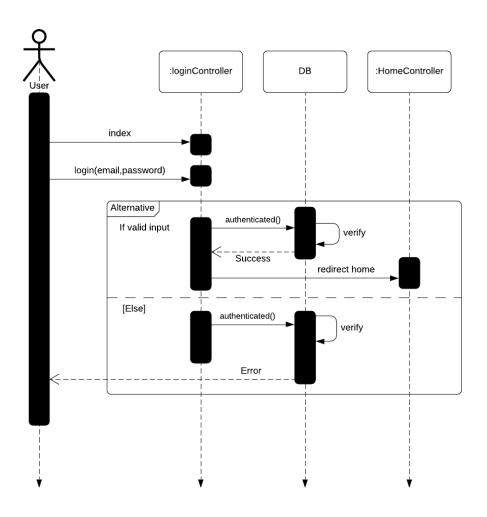


Fig 3.3.1.1 User login

User can login in system by input email and password then system check in DB after checking it from database then system redirect user in dashboard.

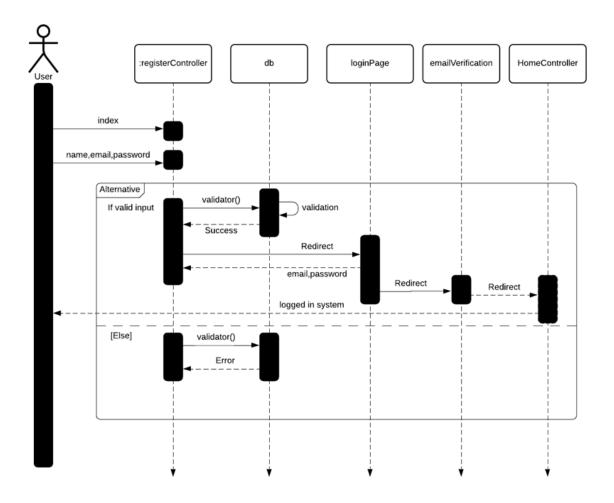


Fig 3.3.1.2 User Registration

After insert valid email address and password a verification email will sent in user email account after verify user will redirect it to homepage.

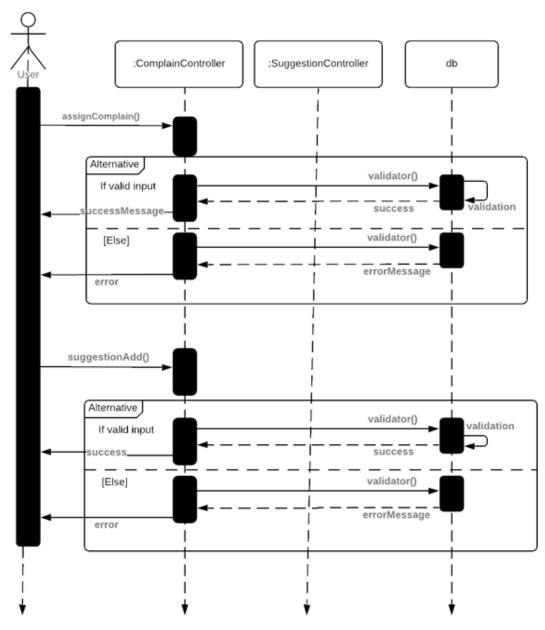


Fig 3.3.1.2 User Complain and Suggestion

User can add complain and suggestion insert valid information. A Custom validation can check user input data.

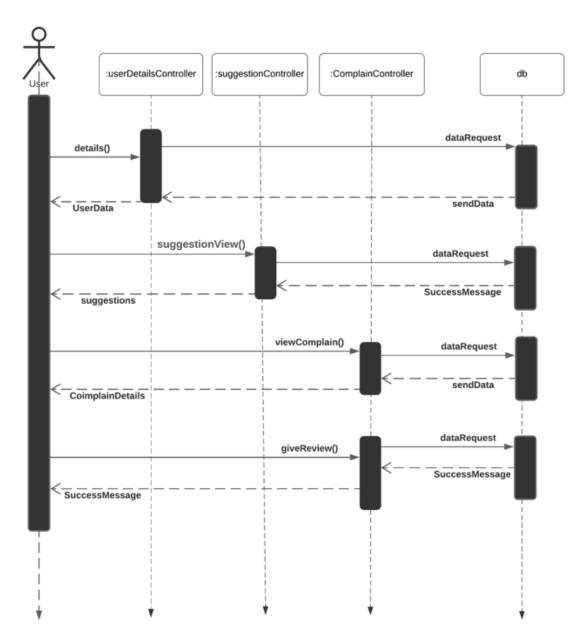


Fig 3.3.1.3 User Main Sequence

User can view complain and suggestion data by sending request.

3.3.2 Sequence Diagram for Admin

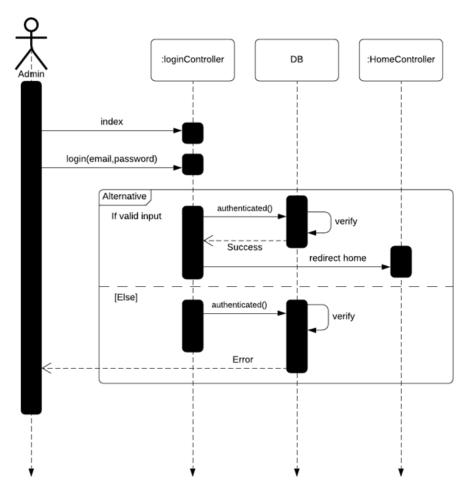


Fig 3.3.2.1 Admin login

Admin can login into system after providing valid information a validation middleware will check that the info admin provide is valid or not. If the information is valid then admin can access the system.

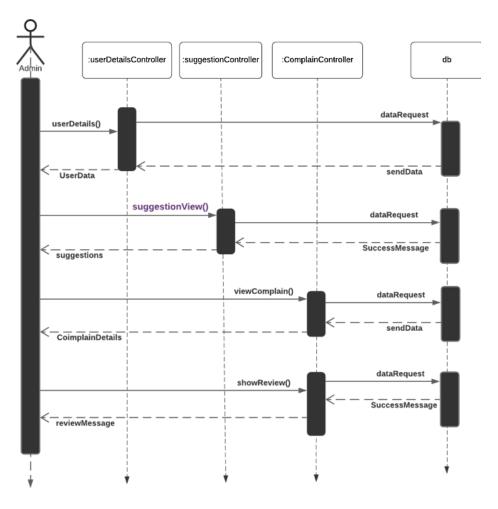


Fig 3.3.2.2 Admin Main Options

Admin can view user details, complains and suggestions by sending a request in system.

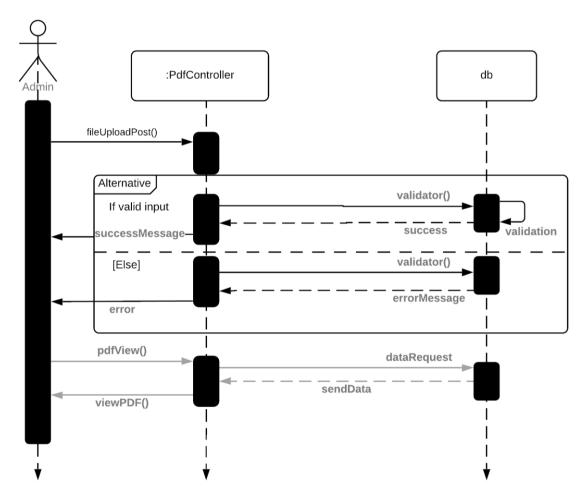


Fig 3.3.2.3 Admin Notice Update

Admin can upload notice by providing some information.

3.3.3 Sequence Diagram for Authority

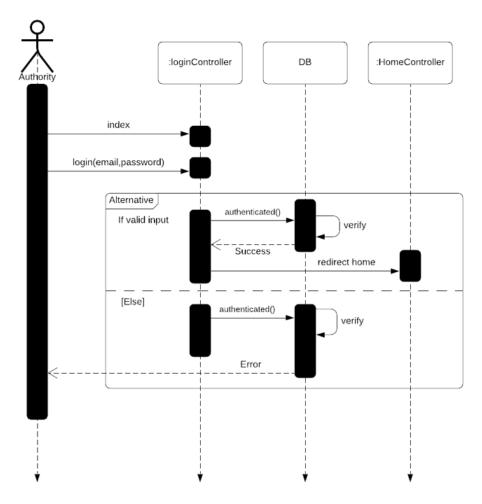


Fig 3.3.3.1 Authority Login

Authority can login into system after providing valid information a validation middleware will check that the info authority provide is valid or not. If the information is valid then authority can access the system.

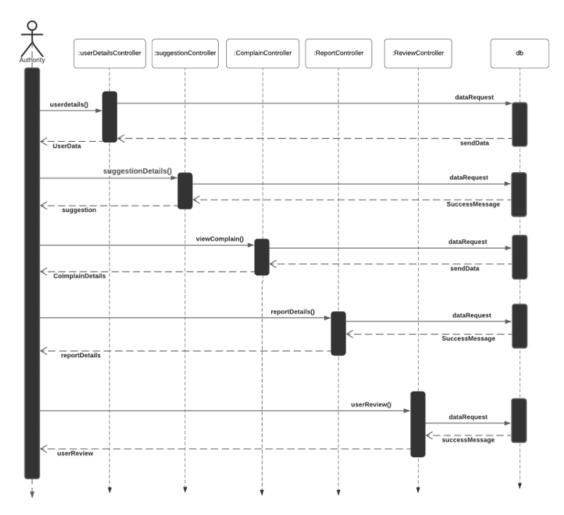


Fig 3.3.3.2 Authority Main Options

Authority can access user details, user complain, suggestions. Authority also check report which is generate by admin.

3.4 ERD Diagram

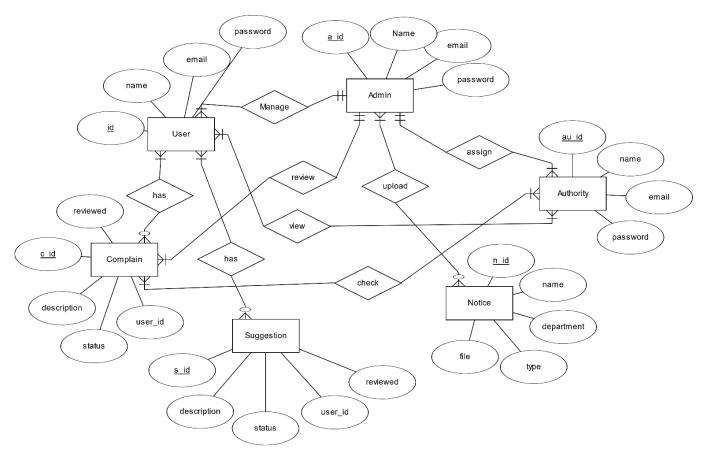


Fig 3.4.1 ERD Diagram [3]

ERD diagram Description: User can complain zero to many in this system. A user can have zero complain or many complain on other side a complain was came from one-to-many user. Same as in suggestion table A user can have zero suggestion or many suggestions on other side a suggestion was came from one-to-many user. Admin can manage minimum one user to many users. On the other hand, a user manages by one admin to many admin. A complain can solve by admin or many complain or an Admin can solve one complain to many complain. An authority can view user details or many user details. An admin can upload zero or many notice in this system.

CHAPTER 04

DEVELOPMENT TOOLS & TECHNOLOGY

4.1 User Interface Technologies

- HTML5, CSS, JavaScript, Bootstrap4, PHP, Laravel (Framework)
- iQuery 3.5.1
- Bootstrap
- Font Awesome, Material Icons

4.2 Implementation Technologies

4.2.1 Xammp (**7.4.16**)

Xampp is an free open platform web server solution consisting mainly of The Apache, mainly consisting of Apache HTTP Server, Maria DB database, and PHP and Perl programming languages script interpreters. [4]

4.2.2 NPM(6.X)

NPM is a package manager for JavaScript and largest software registry. Discover package of reuse code and assemble them in new ways. [5]

4.2.3 PHP 7.3.27

PHP is hypertext Preprocessor is a general-purpose language for Web development. [6]

PHP Version 7.3.27



4.3 Platform & Environment

4.3.1 Hardware

- Processor: Intel core i3 (Minimum)
- RAM:4GB (Minimum)
- Hard Drive:1TB
- Ubuntu 14.04./ Windows 8.1/Windows 10

4.3.2 Tools

IDE: PhpStromCommand Prompt

Server: LocalHost:8000

4.3.3 Version Control

Git

CHAPTER 05

SYSTEM TESTING

5.1 Introduction

System testing is focused at error identification. The main principle of this activities are to ensure the process is correctly communicate and meet the requirement. The system testing help to test function effectively work or not.

5.2 Test Case

A Test case is a set of conditions or variables under so that a tester will determine the system under test satisfied requirement or work properly or not.

The developing process test case can help to find the problem in the requirement or design of an application.

Test Case No -1

Test Case ID.1	Module name: User Login
Test Priority: High	Test Date:07.12.2021
Test Title: User login	Test executed by: Mostak Ahmed
Description: Test User login page	Test executed date: 07.12.2021
Pre-condition:	Users must have valid email and password.
Test steps:	 Go to login page Provide valid email & password Click Login button
Test Data:	User: Email: mostak@gmail.com Password: Test12345

Expected Results:	User should able to login
Actual Result:	User logged in successfully
Status (Pass/Fail):	Pass
Post-condition:	Successfully Logged in.

Testing Case No-2

Test Case ID.2	Module name: User Register
Test Priority: High	Test Date:22.10.2020
Test Title: User Register	Test executed by: Mostak Ahmed
Description: Test User Register	Test executed date: 22.10.2020
Pre-condition:	Users must have valid email and password.
Test steps:	 Go to Register page Provide valid information Click Register button
Test Data:	User: Email: mostak@gmail.com Password: Test12345
Expected Results:	User should confirm email verification and logged on system
Actual Result:	User Register successfully
Status (Pass/Fail):	Pass
Post-condition:	Successfully Register.

Testing Case No-3

Test Case ID.3	Module name: User Complain
Test Priority: High	Test Date:22.10.2020
Test Title: User Complain Section	Test executed by: Mostak Ahmed

Description: Test User create complain page	Test executed date: 24.10.2020
Pre-condition:	Users must enter valid information.
Test steps:	 Go to create complain page Provide valid information and image. Click submit button
Test Data:	Require Information
Expected Results:	User should able to create complain.
Actual Result:	User create complain successfully
Status (Pass/Fail):	Pass
Post-condition:	Successfully create complain.

Testing Case No-4

Test Case ID.3	Module name: User Suggestion
Test Priority: High	Test Date:22.10.2020
Test Title: User suggestion Section	Test executed by: Mostak Ahmed
Description: Test User create suggestion page	Test executed date: 24.10.2020
Pre-condition:	Users must enter valid information.
Test steps:	 Go to create suggestion page Provide valid information. Click submit button
Test Data:	Require Information
Expected Results:	User should able to create suggestion.
Actual Result:	User create suggestion successfully
Status (Pass/Fail):	Pass

Post-condition:	Successfully create suggestion.
-----------------	---------------------------------

Test Case No -5

Test Case ID.1	Module name: Admin Login
Test Priority: High	Test Date:07.12.2021
Test Title: Admin login	Test executed by: Mostak Ahmed
Description: Test Admin login page	Test executed date: 07.12.2021
Pre-condition:	Admin must have valid email and password.
Test steps:	 Go to login page Provide valid email & password Click Login button
Test Data:	Admin: Email: Admin@gmail.com Password: 12345
Expected Results:	Admin should able to login
Actual Result:	Admin logged in successfully
Status (Pass/Fail):	Pass
Post-condition:	Successfully Logged in.

Test Case No -6

Test Case ID.1	Module name: Authority Login
Test Priority: High	Test Date:07.12.2021
Test Title: Authority login	Test executed by: Mostak Ahmed
Description: Test Authority login page	Test executed date: 07.12.2021
Pre-condition:	Authority must have valid email and password.

Test steps:	 Go to login page Provide valid email & password Click Login button
Test Data:	Authority: Email: Authority @gmail.com Password: 12345
Expected Results:	Authority should able to login
Actual Result:	Authority logged in successfully
Status (Pass/Fail):	Pass
Post-condition:	Successfully Logged in.

CHAPTER 06

USER MANUAL

6.1 User manual

FOR User

6.1.1 User login page [7]

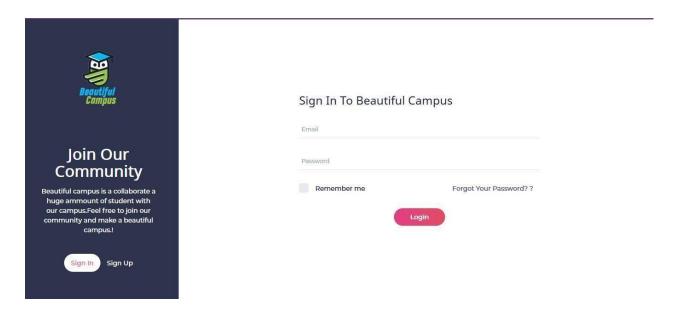


Fig 6.1.1 User Login page

6.1.2 User Registration page

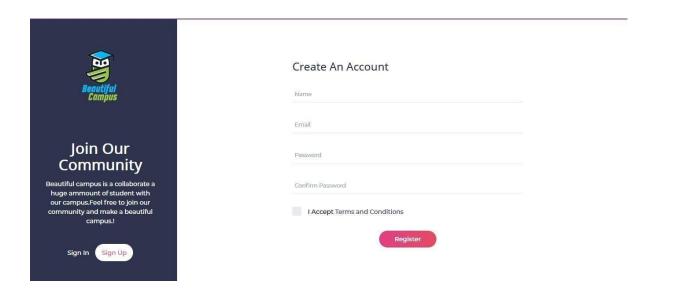


Fig 6.1.2 User Registration page

6.1.3 User Dashboard

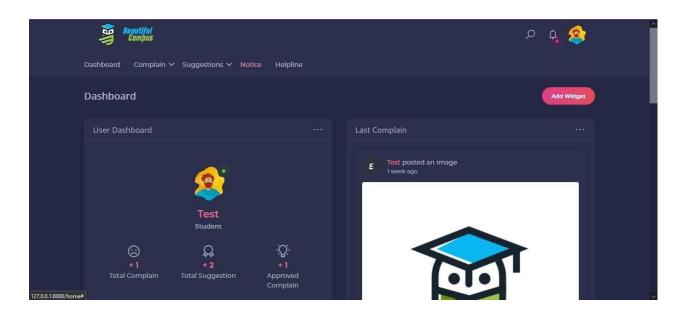


Fig 6.1.3.1 User Dashboard 1

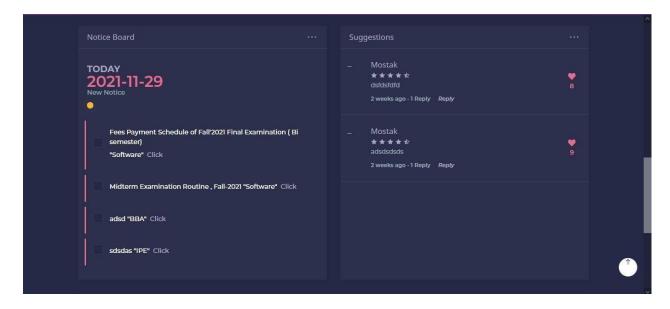


Fig 6.1.3.2 User Dashboard 2

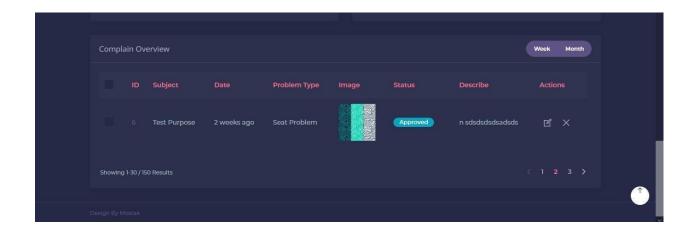


Fig 6.1.3.3 User Dashboard 3

6.1.4 User Complain

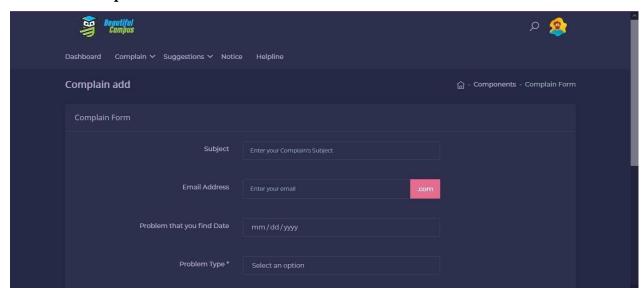


Fig 6.1.4 User Complain

6.1.5 User Complain View

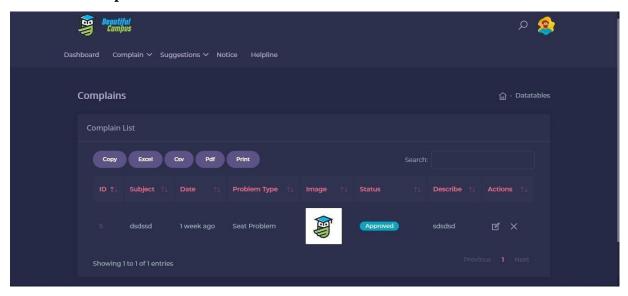


Fig 6.1.4 User Complain View

6.1.5 User Suggestion

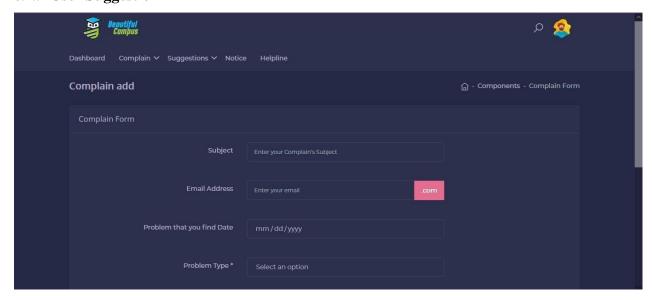


Fig 6.1.5 User Suggestions

6.1.6 User Suggestion View

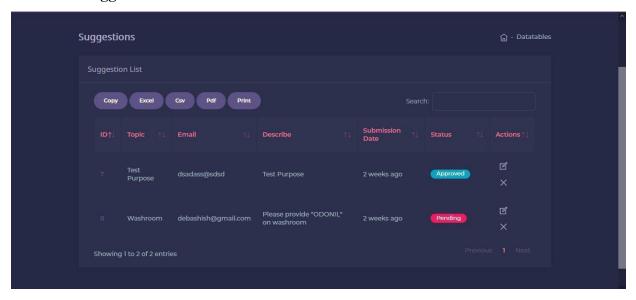


Fig 6.1.6 User Suggestions View

6.1.7 User Notice Board View

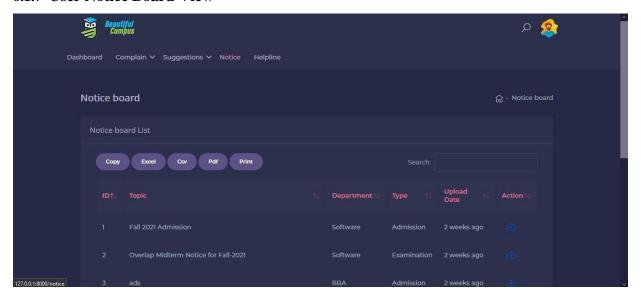


Fig 6.1.7 User Notice Board View

6.1.8 User Helpline

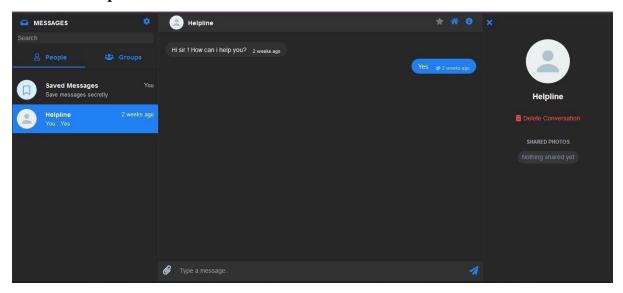


Fig 6.1.8 User Helpline

6.1.9 User Profile

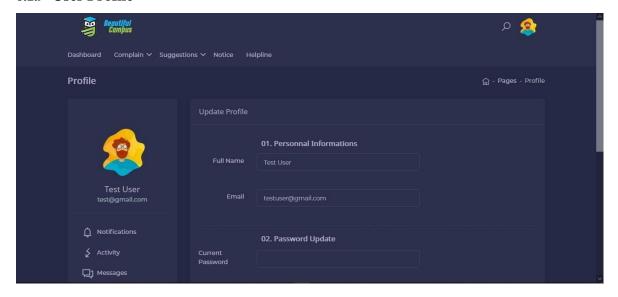


Fig 6.1.9 User Profile

6.1.10 User Notification

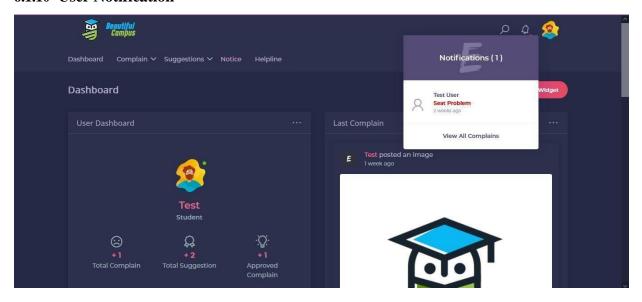


Fig 6.1.10 User Notification

For Admin

6.2.1 Admin Login

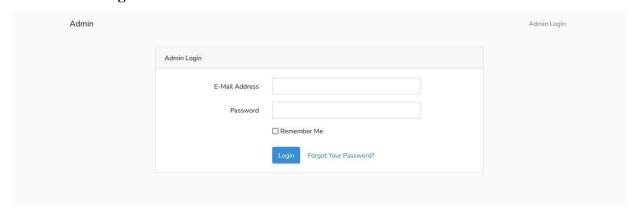


Fig 6.2.1 Admin Login

6.2.2 Admin Dashboard

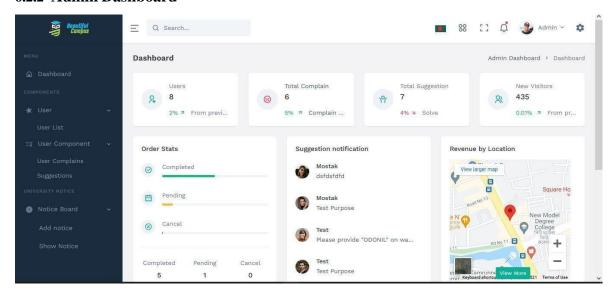


Fig 6.2.2 Admin Dashboard

6.2.3 Admin User List

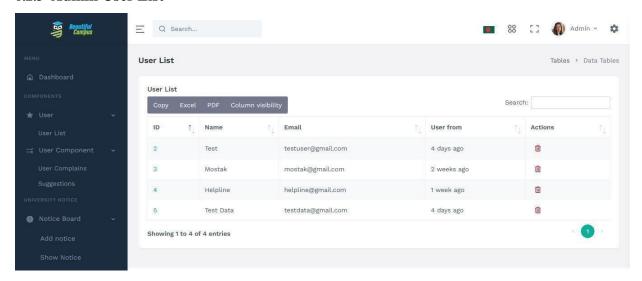


Fig 6.2.3 Admin User List

6.2.4 Admin User Complain

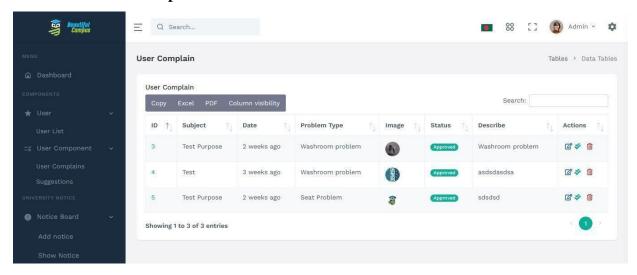


Fig 6.2.4 Admin User Complain

6.2.5 Admin User Suggestions

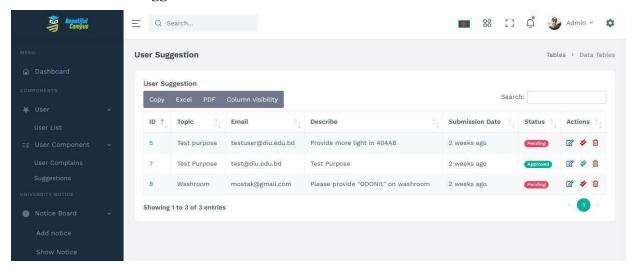


Fig 6.2.5 Admin User Suggestions

6.2.6 Admin Notice Add

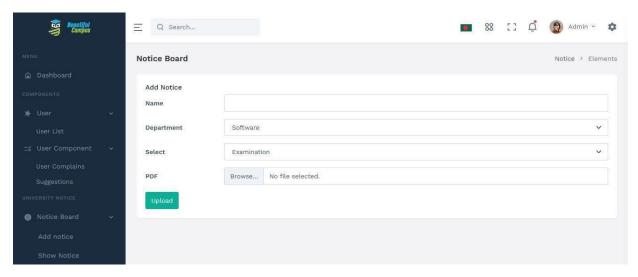


Fig 6.2.6 Admin Notice Add

6.2.7 Admin Notice Show

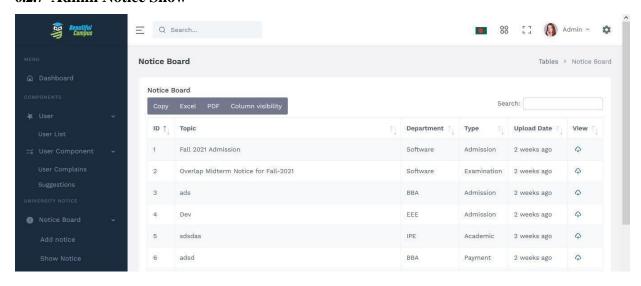


Fig 6.2.7 Admin Notice Show

6.2.8 Admin User Complain Approve

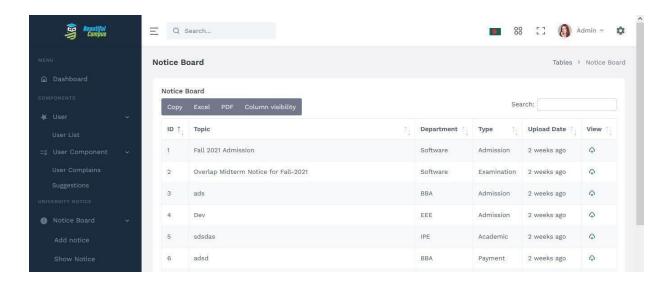


Fig 6.2.8 Admin User Complain Approve

6.2.9 Admin Profile Update

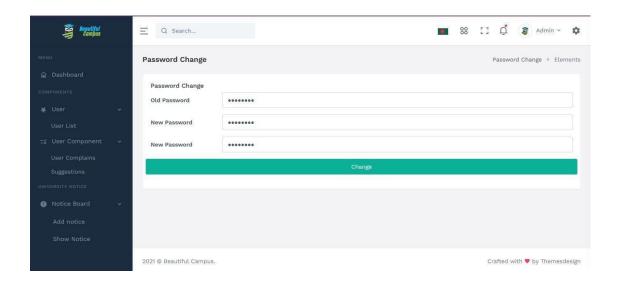


Fig 6.2.9 Admin profile password update

For Authority

6.3.1 Authority Login

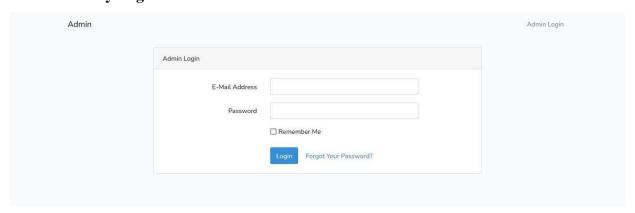


Fig 6.3.1 Authority Login

6.3.2 Authority Dashboard

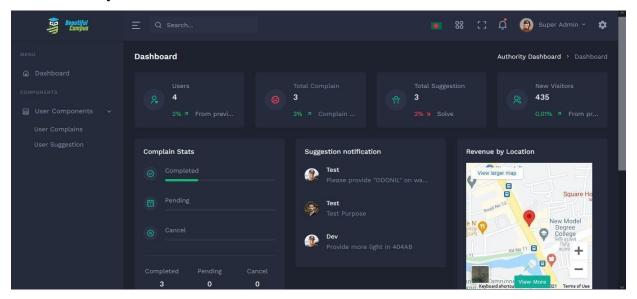


Fig 6.3.2 Authority Dashboard

6.3.3 Authority Dashboard 2

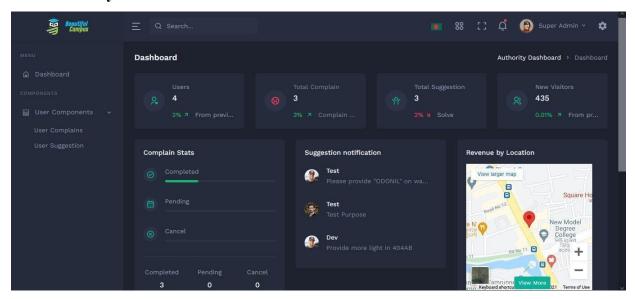


Fig 6.3.3 Authority Dashboard 2

6.3.4 Authority User Complain

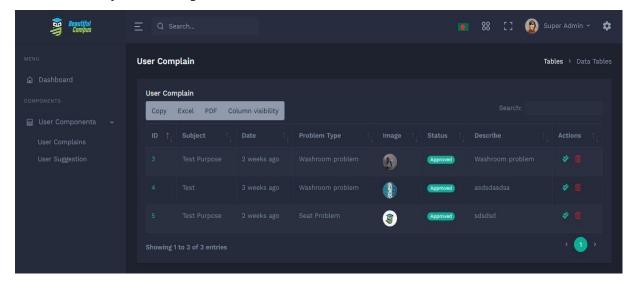


Fig 6.3.4 Authority User Complain

6.3.5 Authority User Suggestion

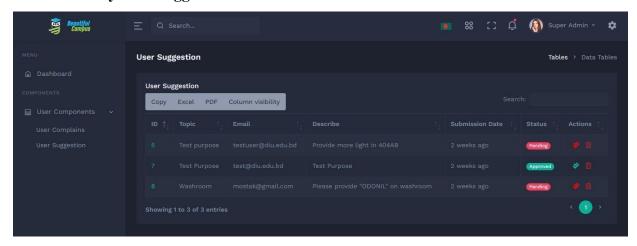


Fig 6.3.5 Authority User Suggestion

6.3.6 Authority User Complain Approve

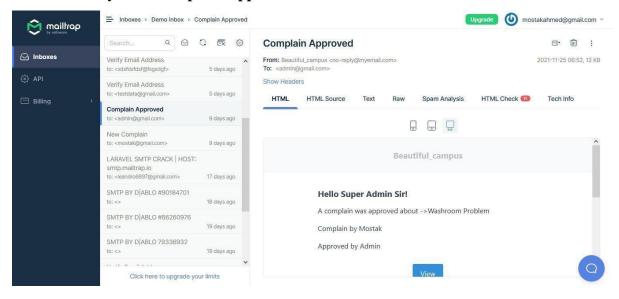


Fig 6.3.6 Authority User Complain Approve

6.3.6 Authority Profile update

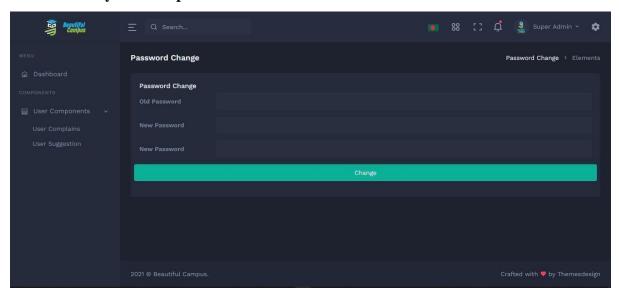


Fig 6.3.7 Authority Profile Update

CHAPTER 07

PROJECT SUMMARY

7.1 GitHub Link:

7.2 Limitations:

- User must need a high-speed internet.
- User must have a valid account to use the system
- The system doesn't accept unauthorize account.

7.3 Obstacle & Achievement

Obstacle:

- Learning new Technology and new Environment.
- Limited time and budget.

Achievement:

- Learn new technology.
- Solve a real time problem.

7.4 Conclusion

Although I created this system (Employee Bus Transport System), it has a lot of flaws. I did my best to overcome my restrictions. This technology will provide better service to the employees of a company, will allow them to reach the office on time. Basically, the system will provide transportation services to such employees and also increase the value of the company.

7.5 Future Work

In future we will add this project to live-server and try to solve some more major problems so that students can get this service through website.

References

- [1] PNGTEM, Software Development Agile Model, 2019.
- [2] Lucid Chart, "Lucidchart," 2022.
- [3] ERDplus, "ERDplus," 2021.
- [4] XAMPP Apache + MariaDB + PHP, 2018.
- [5] NPM, NPM docs, 2019.
- [6] Php 8.1.1, Php.
- [7] Laravel.

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