

**PROFESSIONAL DEVELOPERS INDEX PORTFOLIO - ProDIP**

**SUBMITTED**

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Degree of Bachelor of Science in Computer Science and Engineering

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**May 2018**

## APPROVAL

This Project titled “**Professional Developer’s indexed Portfolio - ProDIP**”, submitted by **Md. Ahteshamul Islam, MD.Abdullah Al Shafi, MD.Mustafizur Rahaman** to the Department of Computer Science and Engineering, Daffodil International University, has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on May 2018 has been accepted as satisfactory.

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## DECLARATION

We hereby declare that, this project report is prepared by us, Md.Ahteshamul Islam, ID No: 142-15-3970, Md. Abdullah Al Shafi, ID No: 142-15-3716 and Md. Mustafizur Rahaman, ID No: 142-15-4106 to the department of Computer Science and Engineering, Daffodil International University. Under the supervision of **Rubiaya Hafiz Lecturer, Department of CSE, Daffodil International University**. I also declare that neither this project report nor any part of this project report has been submitted elsewhere for award of any Degree or Diploma.

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## ABSTRACT

Software development is one of the fastest growing job market in today's digital world. So a lot of students are planning to build a career in software development. They offer good salary, excellent working environment, ever expanding opportunity to learn new things, so why not? On the other hand, the software industry itself is growing fast everyday demanding more and more skilled software engineers. So It is becoming complicated day by day for the companies to recruit right people for the job. Not only that, Sometimes skilled developers are remaining as left overs in the traditional selection process in the industry. Regarding all these problems we have come up with an idea to build a platform where these complexities could be reduced. We've named our project "**Professional Developer's indexed Portfolio - ProDIP**". Here in this report we have covered every little details of our project step by step.

## TABLE OF CONTENTS

<b>CONTENTS</b>	<b>PAGE</b>
Board of examiner	I
Declaration	II
Acknowledgement	III
Abstract	IV
Table of contents	V
List of Figures	VII
List of Tables	VIII

## CHAPTER

<b>CHAPTER 1: INTRODUCTION</b>	<b>1-2</b>
1.1 Introduction	1
1.2 Motivations	1
1.3 Project Objectives	2
<b>CHAPTER 2: FEASIBILITY</b>	<b>3-5</b>
2.1 Introduction	3
2.2 Feasibility study	3
2.2.1 Technical Feasibility	3
2.2.2 Economical Feasibility	4
2.2.3 Behavioral Feasibility	4
2.3 Software Engineering Process model	4
2.4.1 Requirement specification	5
2.4.2 Software design	5
2.4.3 System Integration	5
2.4.4 Software Testing	5

<b>CHAPTER 3: FLOW CHARTS &amp; DATABASE DESIGN</b>	<b>6-16</b>
3.1 System flowchart	6
3.2 Use case diagram	7
3.3 ER Diagram	8
3.4 ER Diagram (User)	8
3.5 ER Diagram (Problems & Skills)	9
3.6 ER Diagram (Job Circular)	9
3.7 Database Tables	10
3.8 Validation checks	16
<b>CHAPTER 4: PROJECT IMPLEMENTATION &amp; TESTING</b>	<b>17-19</b>
4.1 Category & layouts	17
4.2 The size of application	17
4.3 Testing	17
4.3.1 Unit Testing	17
4.3.2 System Integration Testing	18
4.4 Project Design (GUI)	19
<b>CHAPTER 5: CONCLUSION</b>	<b>28-30</b>
5.1 Conclusion	28
5.2 Benefits	28
5.3 Limitations	29
5.4 Future of our work	29
<b>REFERENCE</b>	<b>30</b>

## **LIST OF FIGURES**

<b>FIGURES</b>	<b>PAGE</b>
Figure 3.1 System flowchart	6
Figure 3.2 Use Case Diagram	7
Figure 3.2: ER Diagram	8
Figure 3.3: ER Diagram (user)	8
Figure 3.4: ER Diagram (problems skill)	9
Figure 3.5 : ER Diagram ( Job circular)	9
Figure 4.1 Homepage	19
Figure 4.2 Login	20
Figure 4.3 Register	20
Figure 4.4 User Homepage	21
Figure 4.5 Personal information input data	21
Figure 4.6 Profile	22
Figure 4.7 Portfolio	22
Figure 4.8 Educational information	23
Figure 4.9 Training Details	23
Figure 4.10 Working Experience	24
Figure 4.11 Problem List	24
Figure 4.12 Job List	25
Figure 4.13 Exam List	25
Figure 4.14 Exam Information	26
Figure 4.15 Online Exam	26
Figure 4.16 Exam Marks	27



## LIST OF TABLES

<b>Tables</b>	<b>PAGE</b>
Table 3.1 User	10
Table 3.3 Use Details	10
Table 3.3: Education	11
Table 3.4: Skills	11
Table 3.5: Training	11
Table 3.6 : Experience	12
Table 3.7: Skill Category	12
Table 3.8: Problem	13
Table 3.9: Solution	13
Table 3.10: Job Circulars	14
Table 3.11: Online exam	14
Table 3.12: Questions	15
Table 3.13: Question option	15
Table 3.14: Invitation information	15

# CHAPTER 1

## Introduction

### 1.1 Introduction

Our project name is “Professional Developer’s Indexed Portfolio” or “ProDIP”. This is a web-based software where new learners are allowed to create their portfolio, which can be upgraded with times in details as much as possible. They can also add their skills. Learners who are practicing new technologies have the option to get some direction. New learners can set goals and have to give updates on their progress regularly. The system will evaluate how they are doing with their progress. After completing learning they have chance to solve problems provided by more experienced users. They have to upload their solutions and that will be evaluated by users who have already solved the problem in the past. The will be added to their portfolio automatically. Companies can post job circulars in the site which will be visible by all kind of users. There could be many applicants and selection process can be lengthy and complicated. So the companies can arrange online examinations in the system. Only users with required skills can attend the examination. The exam time is predetermined and set the company while the circular is published. Interested applicants have to attend the exam at that exact time and date. A pass marks is set the company. Applicants who have passed will be invited for physical procedurals with an invitation card.

### 1.2 Motivation

When a student completes his/her graduation, they seek for job. On the other hand companies always looking for right candidate as the industry is expanding everyday. They want skilled employees. They need a platform where it is possible to choose the right candidate with minimum evaluation and check their portfolio in details as much a possible. Learners also need direction to choose among all the sectors of software development. There are web based application that helps developers to learn new techniques, share problems and solutions, make a portfolio and find a job separately. That is good but not good enough. We need a platform that covers it all. This need as a fresh graduates motivated us to build this project.

### **1.3 Project Objectives**

There are many platforms for job circulars and online portfolio on the internet nowadays. Only a few might be found that covers job circular system, online examination system for the applicants, Online portfolio system that upgrades over time and a system that helps new learners to follow right direction.

Our Objective of the project is to build the website in a way that it fills all the aspects explained earlier.

## CHAPTER 2

### Proposed System & Feasibility Study

#### 2.1 Introduction (Proposed System)

“ProDIP” is a dynamic website which will provide a very stable platform for both job seekers and software companies to find right person for their company. Besides it will help learners in some process and keep them in the right direction.

There will be three kind of users.

- 1) Admin
- 2) User
- 3) Company

As we have done the initial investigation, now we can say that this application possible to create. But as project will progress there may some change in functionality of the project.

The admin has the right to know everything. He has the right to know the details of the user and company, has the right to change any information that the website is currently providing.

Aim of this project is to provide an environment helpful for software developers, learners and companies to obtain information. A thorough study of the existing manual system was done before we developed this project.

#### 2.2 Feasibility Study

A procedure that identifies, describes, and evaluates candidate systems and selects the best system for the job is called as Feasibility study.

##### 2.2.1. Technical Feasibility:

The GUI of the project is designed with HTML, CSS, Javascript and Materialize CSS library. To build the backend Laravel framework is used. We have used MySQL for database queries. The project can be run on any system with minimum requirements. It can reduces data entry errors caused by data entry validation, users can easily handle it, and it also helps in faster data updating. Also the project though developed in GUI, it is very easy to operate. Hence the project is technically feasible.

### **2.2.2. Economic Feasibility:**

Cost benefit analysis is very important in deciding whether the project is economically feasible or not. It saves our time and money and make the process sufficient. It does not require regular maintenance as it is one time investment. Through cost benefit analysis it was concluded that the benefits outweigh costs and thus the project is economically feasible.

### **2.2.3. Behavioral Feasibility:**

Behavioral feasibility determines how much effort will go into educating, selling and training the user staff on a candidate system. The project was also evaluated to be behaviorally feasible as it is very user-friendly and hardly needs any extra efforts to educate user for its utility and functioning.

### **Project Category**

This is web based project. This project developed for business purpose. It provides the batter facility for student to check all the information related to exam information and study material.

It provides online library facility and main objective of this project is increase the admission of university and know everyone about the university and it facility.

While using this application Client will get to know the quality of education that is delivering in university. This project developed for university, colleges and universities.

## **2.3 Software Engineering Process Model**

The waterfall model shows a process, where developers are to follow these phases in order:

- I. Requirements specification (Requirements analysis)
- II. Software Design
- III. System Integration
- IV. Testing (or Validation)
- V. Deployment (or Installation)
- VI. Implementation & Maintenance

#### **2.4.1. Requirements Specification:**

A Software Requirements Specification is a complete description of the behavior of a system to be developed is called a Software Requirements Specification. To describe all the interactions the users will have with the software, It includes a set of use cases. We studied the requirement and specification provided by client & list out all the functional requirement of website that would be implemented from our side. We also suggest client some good functionality like contact import.

#### **2.4.2. Software design:**

Software design is a process of problem solving and planning for a software solution. Software developers will design or employ designers to develop a plan for a solution after the purpose and specifications of software are determined. So we have divided the project into small modules and plans how we can design and implement the module according to our expectation. First, we have plan a database scheme of project, which would help us to go in correct flow, we have also design the DFD (Data flow design) to implement the website.

#### **2.4.3. System integration:**

System integration is the bringing together of the component subsystems into one system and ensuring that the subsystems function together as a system. The process of linking different computing systems together and software applications functionally or physically is called Systems integration. So that it can act as a coordinated whole. We have complete knowledge of all interfaces that is included on our application. It includes interfaces between Modules, Database, Server, and between the other system API (Application program interface), which would work with. For a system to be successfully implemented and used, the elements like DB, files/function must be in place and functioning correctly.

#### **2.4.4. Software testing:**

Software testing is way to investigate the product or service under test which conducts and provides stakeholders with information about the product or system quality. It also provides an objective and independent view of the software to allow the business to understand the risks of software implementation.

# CHAPTER 3

## Flow Charts & Database Design

### 3.1 System Flow Chart

This figure 3.1 is the flow chart of the Software by which we can understand the working process of the app.

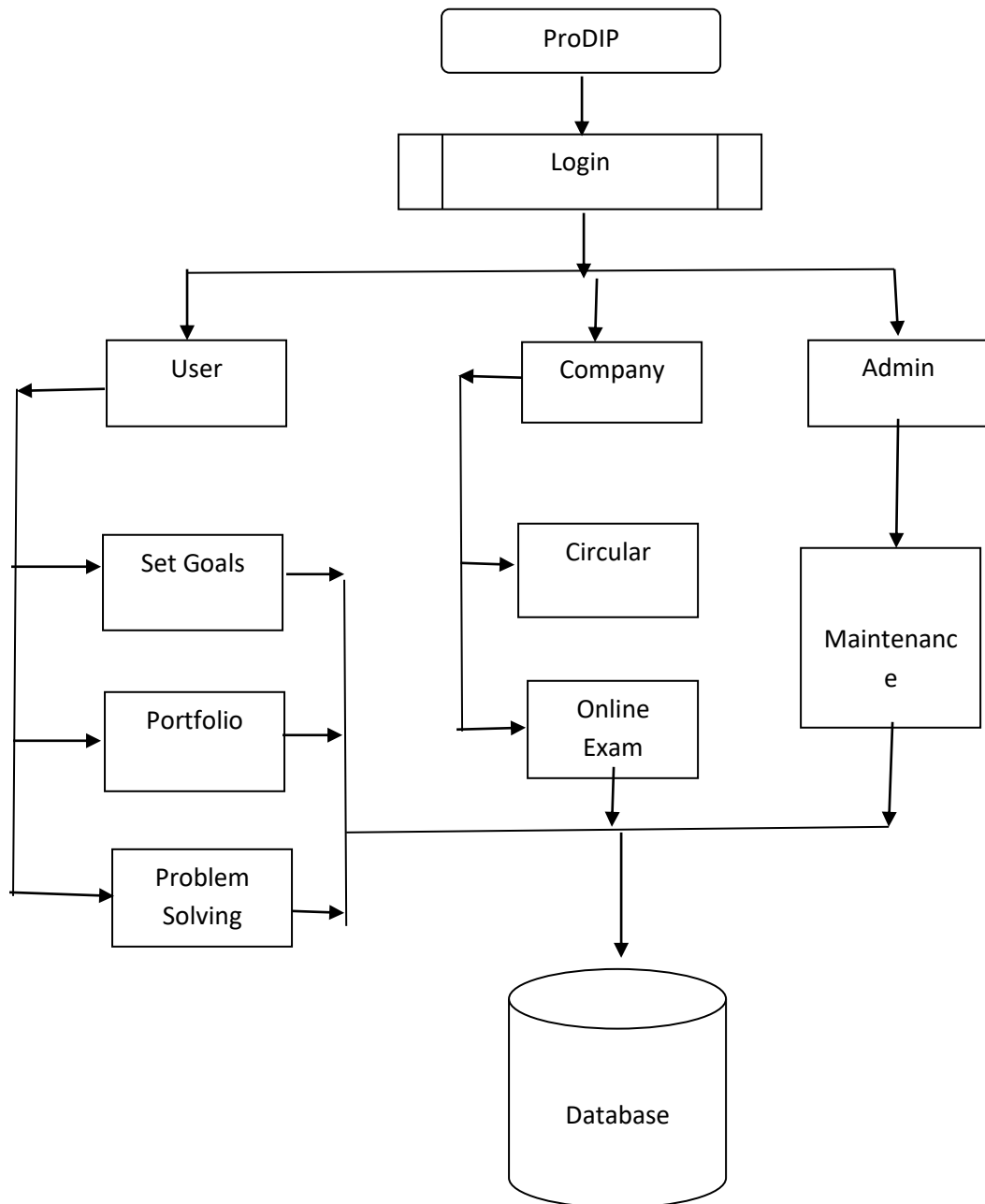


Fig 3.1: System Flowchart

### 3.2 Use Case diagram

This figure 3.2 shows the use case diagram of the system. There are three types of users.

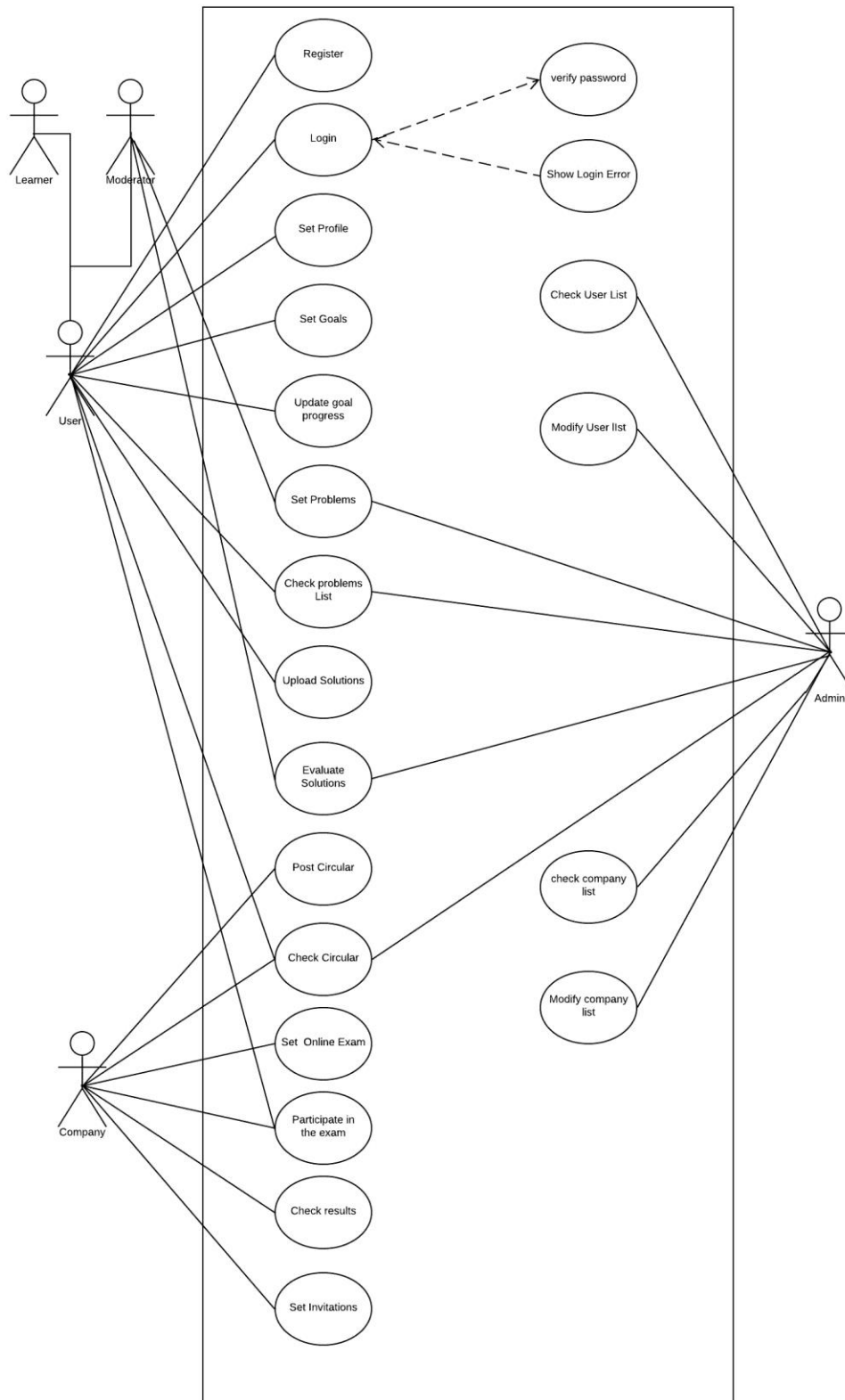


Fig 3.2 : Use Case Diagram



### 3.3 Entity Relationship Diagram

Properties of the tables are shown in details in the next pages. Figure 3.3 shows all the tables in the system.

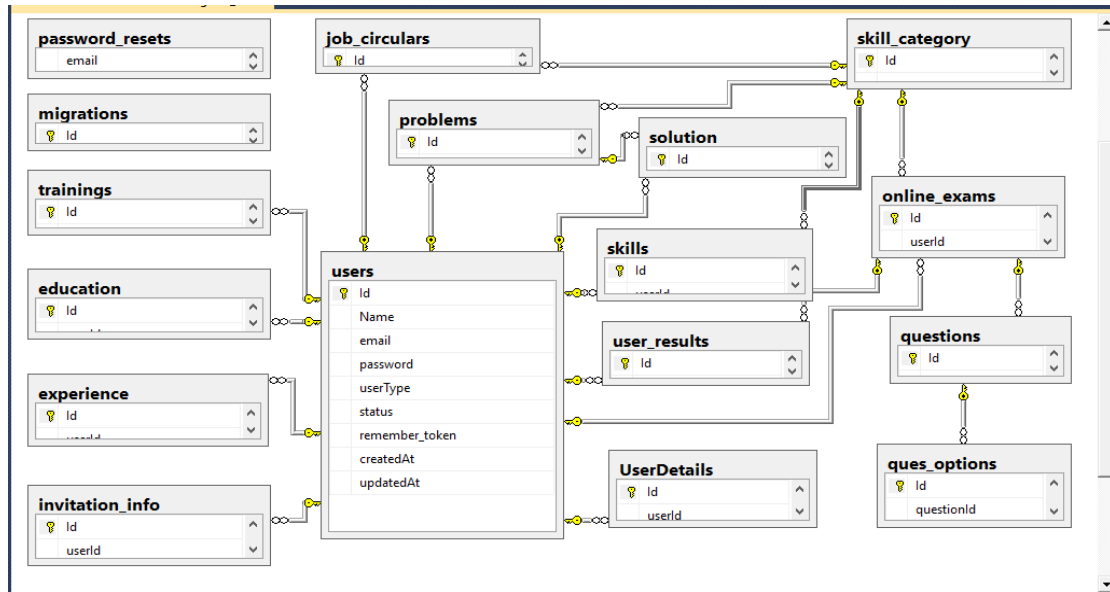


Fig 3.3: Entity Relationship Diagram

### 3.4 Entity Relationship Diagram (User)

Figure 3.4 shows relationship of users table with other tables.

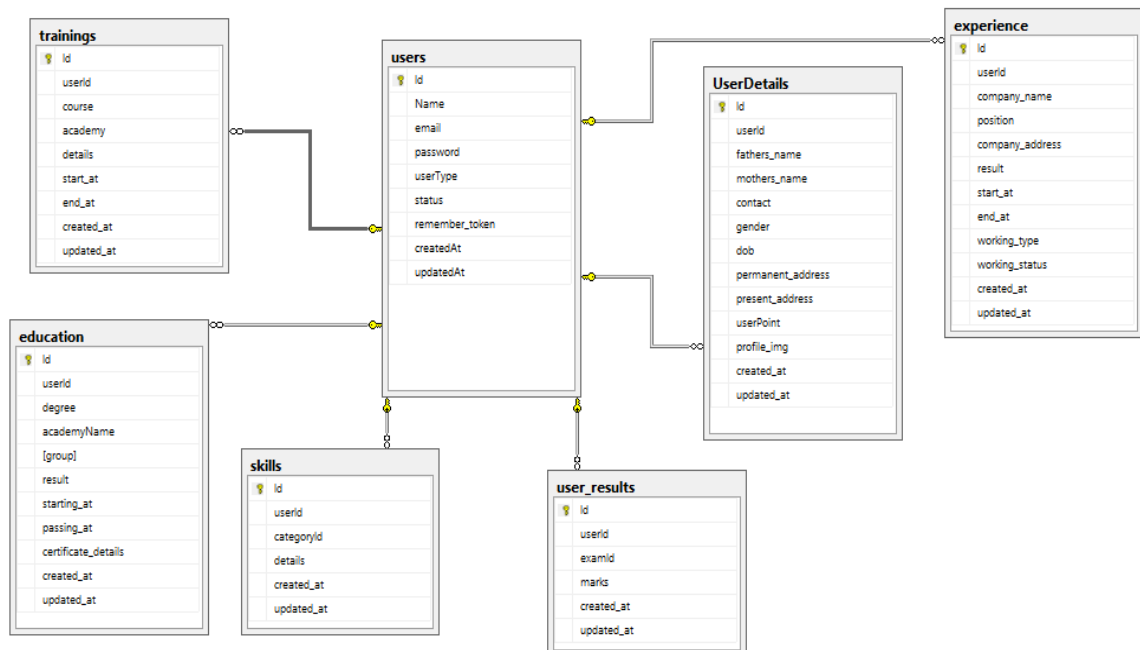


Fig 3.4: Entity Relationship Diagram (User)

### 3.5 Entity Relationship Diagram (Problems & Skills)

Figure 3.4 shows relationship of problems & skills table with other tables.

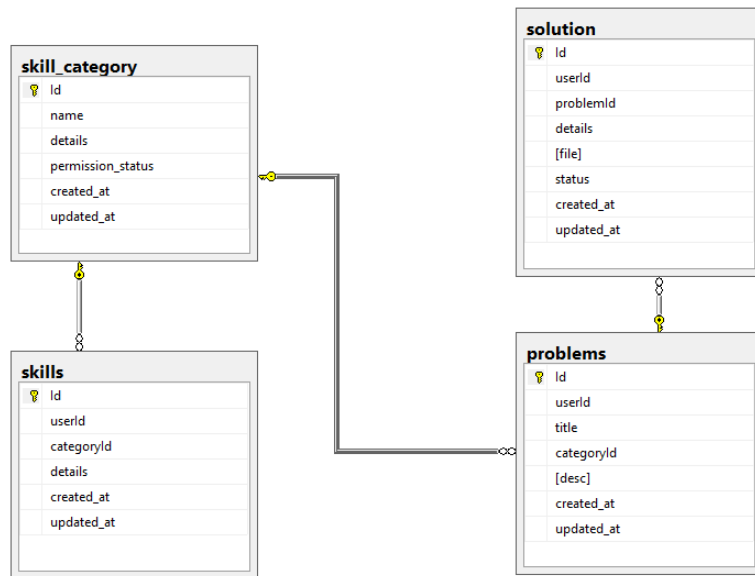


Fig 3.5: Entity Relationship Diagram (Problem & skills)

### 3.6 Entity Relationship Diagram (Job Circular)

Figure 3.4 shows relationship of Job circular table with other tables.

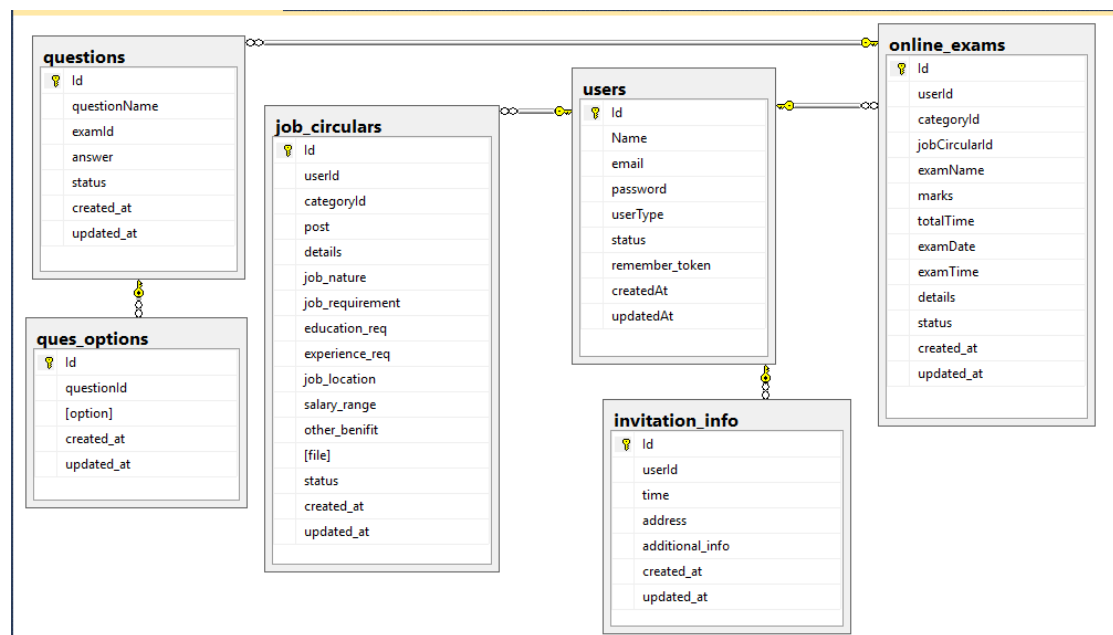


Fig 3.6: Entity Relationship Diagram (Job Circular)

### 3.7 Data Dictionary

The database tables of our project is described in this part.

**Table 3.1 User**

Sr. No	Field Name	Data Type	Constraints	Description
01	id	Int	Primary Key	Store table row id
02	Email	Varchar(191)	Not Null	Store User Email
03	Password	Varchar(191)	Not Null	Store User Password
04	userType	int	Foreign Key	Store User type
05	status	int	Not null	Store user status
06	Remember_Token	Varchar(191)	Not null	Store token for login
07	createdAt	datetime	Not null	Store creation date
08	updatedAt	datetime	Not null	Store update date

**Table 3.2 UserDetails**

Sr. No	Field Name	Data Type	Constraints	Description
01	id	Int	Primary Key	Store table row id
02	userId	int	Foreign Key	Store User id
04	fathersName	Varchar(50)	Not Null	Store Fathers name
05	mothersName	Varchar(50)	Not Null	Store mothers Name
06	gender	int	Not null	Store user gender
07	dob	date	Not null	Store users date of birth
06	Contact	Varchar(191)	Not Null	Store Users Contact
07	PermanentAddress	Varchar(500)	Not Null	Store Users Permanent address
08	PresentAddress	Varchar(500)	Not Null	Store Users Present Address
09	UserPoints	Varchar(50)	Not Null	Store User Email
10	Profile_img	Varchar(191)	nullable	Store image file name and address
11	createdAt	datetime	Not null	Store creation date
12	updatedAt	datetime	Not null	Store update date

**Table 3.3 Education**

Sr. No	Field Name	Data Type	Constraints	Description
01	id	Int	Primary Key	Store table row id
02	userId	int	Foreign Key	Store User id
	degree	Varchar(191)	Not null	Store degree
03	AcademyName	Varchar(191)	Not Null	Store Name of the academy
04	Group	Varchar(191)	Not Null	Store Group
05	Result	Varchar(191)	Not Null	Store Result
06	Starting_at	Date	Not Null	Store Starting Year
07	Passing_at	Date	Not Null	Store Passing year
08	Cirtificate_details	Varchar(191)	Not null	Store certificate details
07	createdAt	datetime	Not null	Store creation date
08	updatedAt	datetime	Not null	Store update date

**Table 3.4 Skills**

Sr. No	Field Name	Data Type	Constraints	Description
01	id	Int	Primary Key	Store table row id
02	userId	Int	Foreign Key	Store User id
03	CategoryId	Int	Not Null	Store Category table id
04	Details	Varchar(50)	Not Null	Store Details
05	createdAt	datetime	Not null	Store creation date
06	updatedAt	datetime	Not null	Store update date

**Table 3.5 Training**

Sr. No	Field Name	Data Type	Constraints	Description
01	id	Int	Primary Key	Store table row id
02	userId	Int	Foreign Key	Store User id
03	Course	Varchar(50)	Not Null	Store Name of the academy
04	Academy	Varchar(50)	Not Null	Store Academy
05	Details	Varchar(500)	Not Null	Store Details
06	Start_at	Date	Not Null	Store Starting Date
07	end_at	Date	Not Null	Store Passing Date
08	createdAt	datetime	Not null	Store creation date
09	updatedAt	datetime	Not null	Store update date

**Table 3.6 Experience**

<b>Sr. No</b>	<b>Field Name</b>	<b>Data Type</b>	<b>Constraints</b>	<b>Description</b>
<b>01</b>	<b>id</b>	<b>Int</b>	<b>Primary Key</b>	<b>Store table row id</b>
<b>02</b>	<b>userId</b>	<b>int</b>	<b>Foreign Key</b>	<b>Store User id</b>
<b>03</b>	<b>Company_name</b>	<b>Varchar(50)</b>	<b>Not Null</b>	<b>Store Name of the Company</b>
<b>04</b>	<b>Position</b>	<b>Varchar(50)</b>	<b>Not Null</b>	<b>Store Position</b>
<b>05</b>	<b>Company_address</b>	<b>Varchar(500)</b>	<b>Not Null</b>	<b>Store Company Address</b>
<b>06</b>	<b>Start_at</b>	<b>Date</b>	<b>Not Null</b>	<b>Store Starting Date</b>
<b>07</b>	<b>End_at</b>	<b>Date</b>	<b>Not Null</b>	<b>Store Resigning year</b>
<b>08</b>	<b>WorkingType</b>	<b>Varchar(50)</b>	<b>Not Null</b>	<b>Store Working Type</b>
<b>09</b>	<b>WorkingStatus</b>	<b>Varchar(50)</b>	<b>Not Null</b>	<b>Store Working Status</b>
<b>10</b>	<b>createdAt</b>	<b>datetime</b>	<b>Not null</b>	<b>Store creation date</b>
<b>11</b>	<b>updatedAt</b>	<b>datetime</b>	<b>Not null</b>	<b>Store update date</b>

**Table 3.7 Skill\_Category**

<b>Sr. No</b>	<b>Field Name</b>	<b>Data Type</b>	<b>Constraints</b>	<b>Description</b>
<b>01</b>	<b>id</b>	<b>Int</b>	<b>Primary Key</b>	<b>Store table row id</b>
<b>02</b>	<b>Name</b>	<b>Int</b>	<b>Not Null</b>	<b>Store Problem type name</b>
<b>03</b>	<b>Details</b>	<b>Varchar(50)</b>	<b>Not Null</b>	<b>Store Details</b>
<b>04</b>	<b>Permission</b>	<b>Int</b>	<b>Not Null</b>	<b>Store Permission Status</b>
<b>05</b>	<b>createdAt</b>	<b>datetime</b>	<b>Not null</b>	<b>Store creation date</b>
<b>06</b>	<b>updatedAt</b>	<b>datetime</b>	<b>Not null</b>	<b>Store update date</b>

**Table 3.8 Problem**

<b>Sr. No</b>	<b>Field Name</b>	<b>Data Type</b>	<b>Constraints</b>	<b>Description</b>
<b>01</b>	<b>id</b>	<b>Int</b>	<b>Primary Key</b>	<b>Store table row id</b>
<b>02</b>	<b>UserId</b>	<b>Int</b>	<b>Foreign Key</b>	<b>Store User id</b>
<b>03</b>	<b>title</b>	<b>Varchar(191)</b>	<b>Not Null</b>	<b>Store title</b>
<b>04</b>	<b>CreatoryId</b>	<b>Int</b>	<b>Foreign Key</b>	<b>Store Creator Id</b>
<b>05</b>	<b>[Desc]</b>	<b>Varchar(500)</b>	<b>Not Null</b>	<b>Store Details</b>
<b>06</b>	<b>createdAt</b>	<b>datetime</b>	<b>Not null</b>	<b>Store creation date</b>
<b>07</b>	<b>updatedAt</b>	<b>datetime</b>	<b>Not null</b>	<b>Store update date</b>

**Table 3.9 Solution**

<b>Sr. No</b>	<b>Field Name</b>	<b>Data Type</b>	<b>Constraints</b>	<b>Description</b>
<b>01</b>	<b>id</b>	<b>Int</b>	<b>Primary Key</b>	<b>Store table row id</b>
<b>02</b>	<b>UserId</b>	<b>Int</b>	<b>Foreign Key</b>	<b>Store User id</b>
<b>04</b>	<b>ProblemId</b>	<b>Int</b>	<b>Foreign Key</b>	<b>Store Creator Id</b>
<b>05</b>	<b>Details</b>	<b>Varchar(500)</b>	<b>Not Null</b>	<b>Store Details</b>
<b>06</b>	<b>[file]</b>	<b>Varchar(191)</b>	<b>Nullable</b>	<b>Store file name &amp; address</b>
<b>07</b>	<b>Status</b>	<b>Int</b>	<b>Not null</b>	<b>Store status</b>
<b>08</b>	<b>createdAt</b>	<b>Datetime</b>	<b>Not null</b>	<b>Store creation date</b>
<b>09</b>	<b>updatedAt</b>	<b>Datetime</b>	<b>Not null</b>	<b>Store update date</b>

**Table 3.10 Job circulars**

Sr. No	Field Name	Data Type	Constraints	Description
01	id	Int	Primary Key	Store table row id
02	userId	int	Foreign Key	Store User id
03	CreatoryId	Int	Foreign Key	Store Creator Id
04	Post	Varchar(191)	Not Null	Store Post
05	Details	Varchar(191)	Not Null	Store Details
06	Job_Nature	Varchar(191)	Not Null	Store Job Nature
07	Job_requirement	Varchar(191)	Not Null	Store Job Requirement
08	Education_req	Varchar(500)	Not Null	Store Job Requirement
09	Experience_req	Varchar(500)	Not Null	Store Experience requirement
10	Job_location	Varchar(500)	Not Null	Store Job Location
11	Salary_range	Varchar(500)	Not Null	Store Salary range
12	Other_benifit	Varchar(500)	Not Null	Store Other benifits
13	[file]	Varchar(191)	Nullable	Store file name & address
14	Status	Varchar(50)	Not Null	Store Working Status
15	createdAt	datetime	Not null	Store creation date
16	updatedAt	datetime	Not null	Store update date

**Table 3.11 Online\_exam**

Sr. No	Field Name	Data Type	Constraints	Description
01	id	Int	Primary Key	Store table row id
02	userId	Int	Foreign Key	Store User id
03	CreatoryId	Int	Foreign Key	Store Creator Id
04	JobCircularId	Int	Foreign Key	Store Job Circular Id
05	Exam_name	Varchar(191)	Not Null	Store Exam name
06	Marks	Int	Not Null	Store Marks
07	Total_time	Int	Not Null	Store Total time
08	Exam_date	datetime	Not Null	Store Exam date
09	Exam_time	datetime	Not Null	Store Exam time
10	Details	Varchar(500)	Not Null	Store Details
11	Status	Int	Not Null	Store Working Status
12	createdAt	datetime	Not null	Store creation date
13	updatedAt	datetime	Not null	Store update date

**Table 3.12 questions**

Sr. No	Field Name	Data Type	Constraints	Description
01	id	Int	Primary Key	Store table row id
05	question_name	Varchar(191)	Not Null	Store Exam name
02	examId	Int	Foreign Key	Store Exam id
07	Total_time	Int	Not Null	Store Total time
10	answer	Int	Not Null	Store answer
11	Status	Int	Not Null	Store Status
12	createdAt	datetime	Not null	Store creation date
13	updatedAt	datetime	Not null	Store update date

**Table 3.13 ques\_option**

Sr. No	Field Name	Data Type	Constraints	Description
01	id	Int	Primary Key	Store table row id
02	questionId	Int	Foreign Key	Store question id
03	[option]	Int	Not Null	Store option no
04	createdAt	Datetime	Not null	Store creation date
05	updatedAt	Datetime	Not null	Store update date

**Table 3.14 invitation\_info**

Sr. No	Field Name	Data Type	Constraints	Description
01	id	Int	Primary Key	Store table row id
02	userId	Int	Foreign Key	Store User id
03	time	Datetime	Foreign Key	Store Time
04	Address	Varchar(500)	Not Null	Store Address
05	Additional_info	Varchar(500)	Not Null	Store additional Information
06	createdAt	datetime	Not null	Store creation date
07	updatedAt	datetime	Not null	Store update date



### 3.8 Validation Checks

Under validation we have provided certain constraints and primary keys to few fields of the tables of the database used in application. This validation made at database level is listed below:

- **Required Field Validation:** we use require field for fill the information compulsory in the project without this validation the data will not be submitted in the project.
- **Not null:** Not null constraint is used restrict field to have null values. Few fields in our database are mandatory to fill.
- **Numeric only:** Numeric only constraints restrict field to have numeric values only. Otherwise it violates the rule.
- **Character only:** It restricts the field to accept only character value.
- **Date:** The valid date with valid format should be enter in the given textbox.
- **Email:** The @ Symbol is required in this field otherwise it will not work
- Properly.

## CHAPTER 4

### Project Implementation & Testing

**Names:** Based on requirement, we picked out a temporary Name. Which is “Professional Developers Indexed Portfolio” or “ProDIP”. While a name that uses words that summarize the app or services are good for online portfolio and job portal that also have problem solving features.

**Hosting:** We have to take a space on server for our files so the website would be access through internet.

#### 4.1 Category & Layout

The message to get across to the viewer quickly and easily. We have taken the time to determine what the main theme is or message is to be, then break that theme or message down into categories. Which will help guide us through this process and help determine an app format that loads

#### 4.2 The Size of Application

Normally it's best to keep our first app to a minimum size. Not only is it less costly, but this allows admin to grow as the web base clientele increases. We add, change and substitute new information, pages, links, and text as the business and site progresses. Starting with a basic website leaves the room to grow and change as the circumstance dictates.

#### 4.3 Testing

There are various types of web application testing, without which we cannot say that the complete system is properly working. Some of the most important web testing has been mentioned below:

##### 4.3.1. Unit Testing:

Unit testing happens at the development level. When a developer builds a piece of code that delivers a set of functionality, they must test it to make sure it works and that it delivers the required functionality. A developer tests by running the code in

their own environment. A piece of code should never go into a systems integration environment until it has been unit tested.

#### **4.3.2. System Integration Testing (SIT):**

A systems integration environment is a test environment where code is placed to ensure the Application as a whole works together.

Usually there's more than one developer building an application or site. Each one unit tests their individual functions and pages, and on a regular basis, their code is deployed into the SIT environment and tested together. This ensures one developer's code doesn't break the others. Usually test cases and test scripts are developed based on the functional requirements and tested here.

It provides a more integrated view of the application. This is also the environment that gives a mirror of the production environment. Most applications live with other applications in production. This is the first chance to ensure that the new application/site doesn't break and isn't broken by other sites or applications in the same environment.

## 4.4 Project Design (GUI)

The Graphical User Interface of the project is shown in this part. Screenshots are taken from the project live on the server.

### 4.4.1 Homepage

This figure 4.1 shows the homepage of the website. This page is visible to everybody. On the top there is a menubar that has button allowing someone to go to login or registration page.



Fig 4.1 : Homepage

#### 4.4.2 Login

This figure 4.2 shows the login page. A registered user has to submit his email address and a valid password to log in the system.

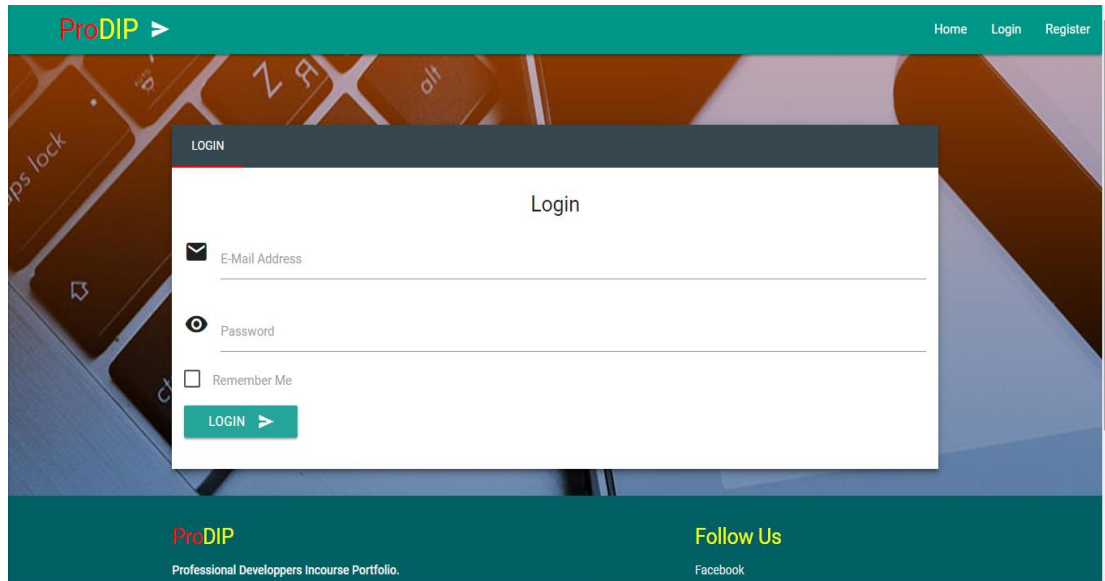


Fig 4.2 : Login

#### 4.4.3 Register

This figure 4.3 shows the registration page. To register in the system someone has to filled all the required fields and click the create account button.

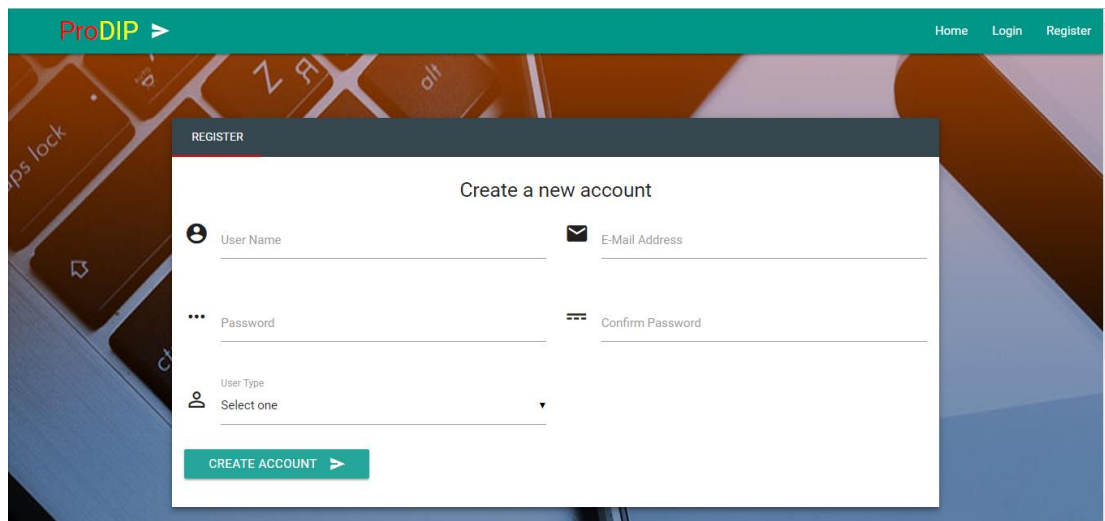


Fig 4.3 : Register

#### 4.4.4 User Homepage

After logging in to the system a user will be redirected to a homepage. The page is shown in figure 4.4.

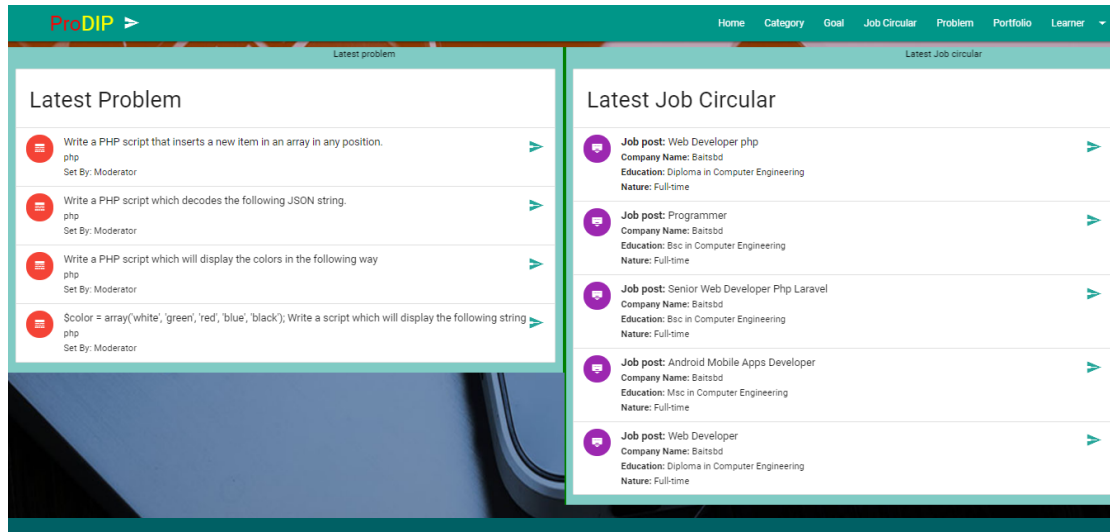


Fig 4.4 : User Homepage

#### 4.4.5 Personal Information

A newly registered user has to provide his/her personal information. Figure 4.5 shows the personal information form.

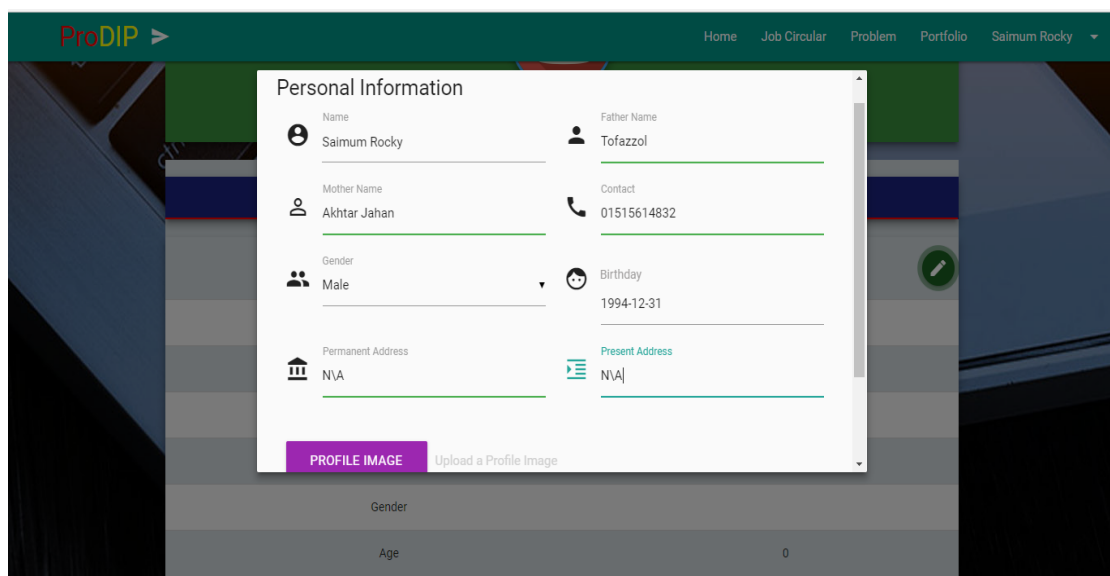


Fig 4.5 : Personal information input field

#### 4.4.6 User Information page

This figure 4.6 shows the personal information page. All the informations that was previously filled by a new user is shown here.

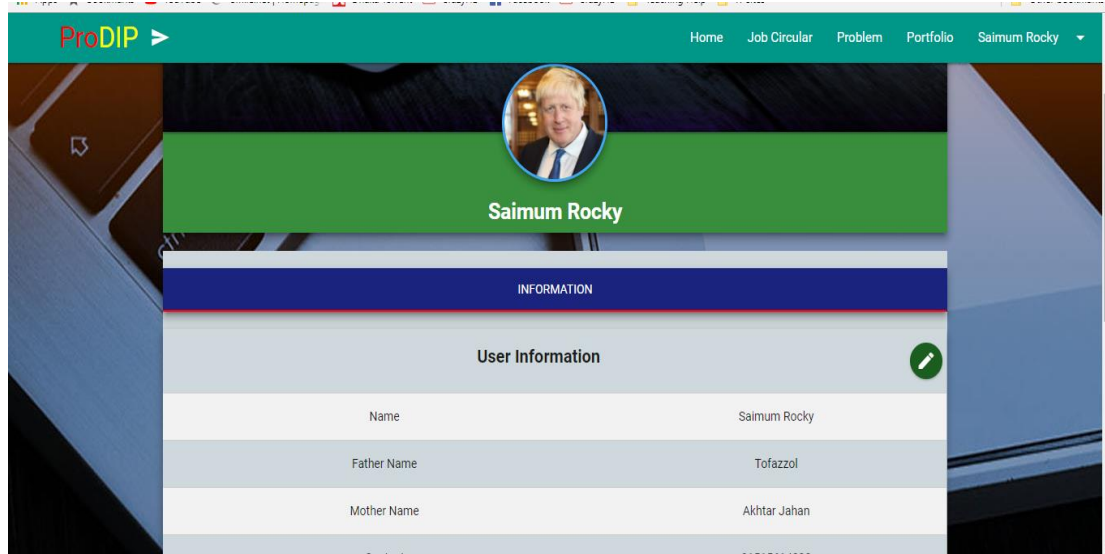


Fig 4.6 : Profile

#### 4.4.7 Portfolio

“ProDIP” provides a feature that allows it’s users to create their own portfolio and use it to apply for jobs. Figure 4.7 shows the portfolio page.

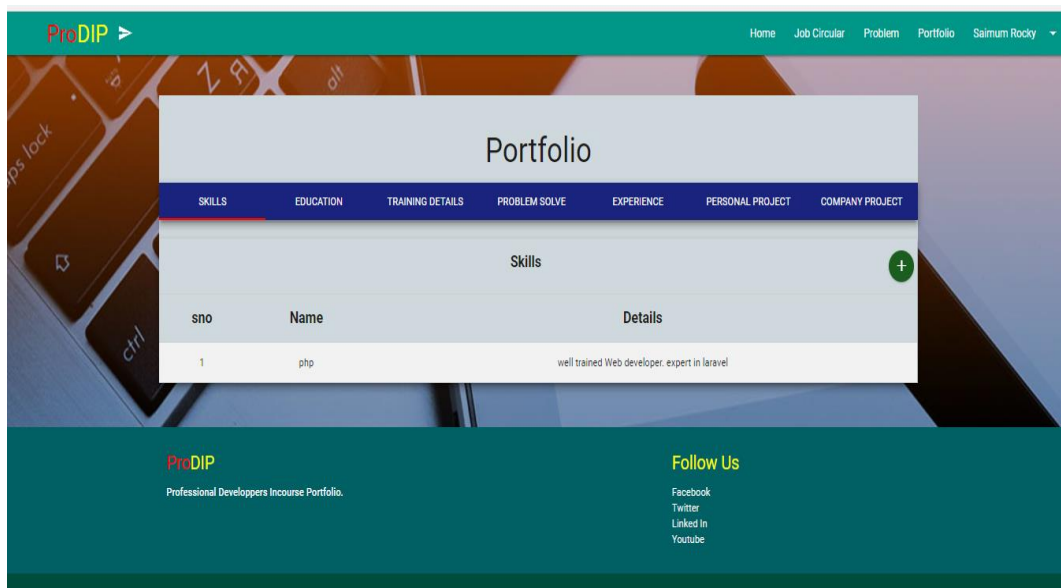


Fig 4.7 : Portfolio

#### 4.4.8 Portfolio - Education

Figure 4.8 shows the portfolio education page.

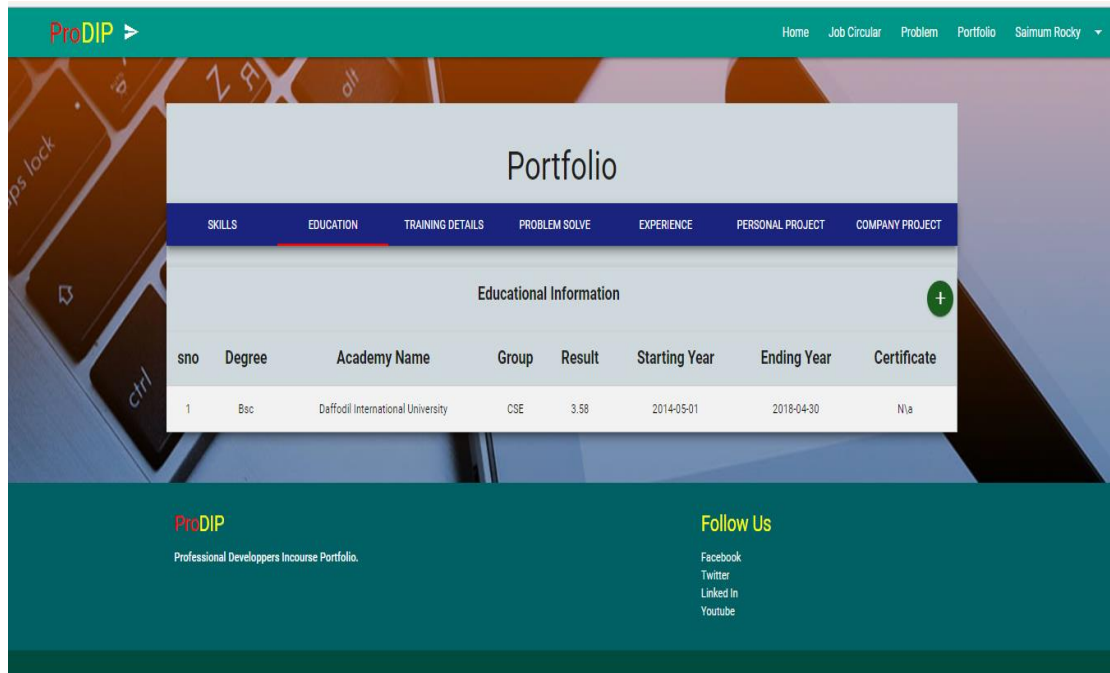


Fig 4.8 : Educational Information

#### 4.4.9 Portfolio – Training Details

Figure 4.9 shows the portfolio training details page.

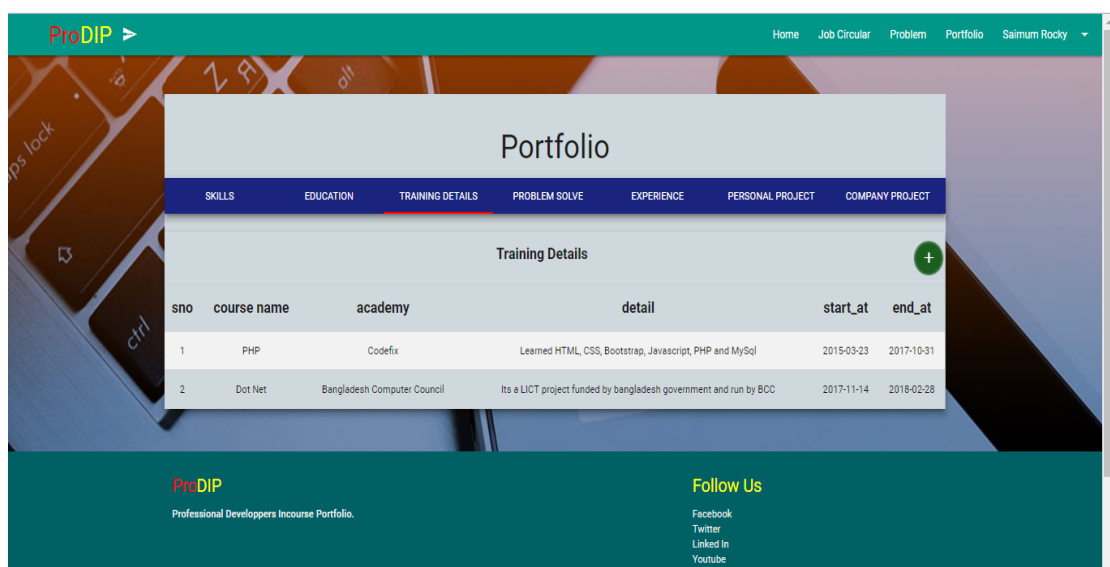


Fig 4.9 : Training Details



#### 4.4.10 Portfolio – Working Experience

Figure 4.10 shows the portfolio working experience page.

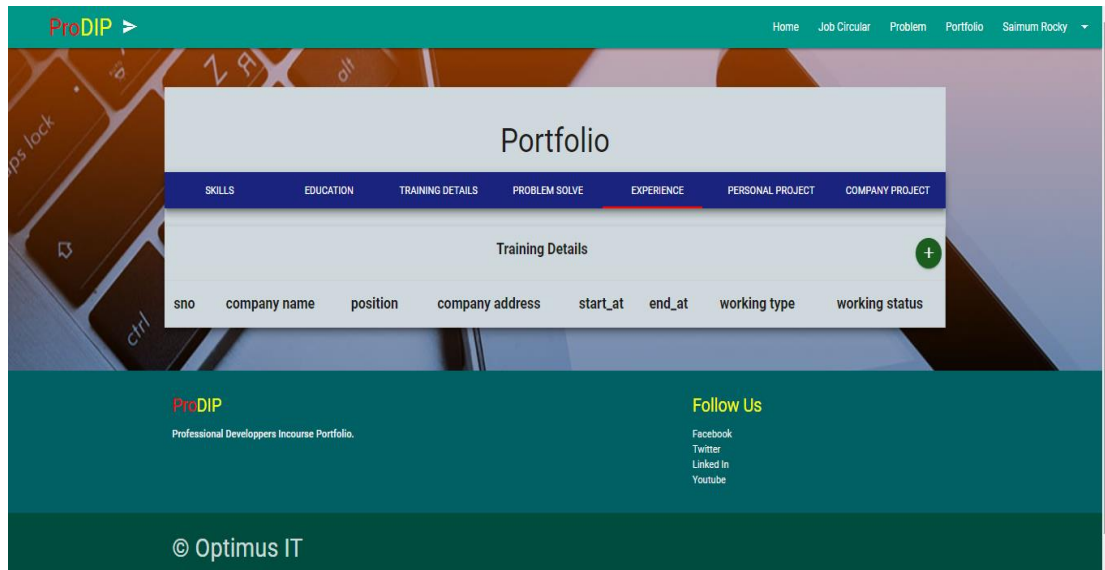


Fig 4.10 : Working experience

#### 4.4.11 Problem List

“ProDIP” also provides it’s users to solve problems related to their skills. Figure 4.11 shows the problem list page..

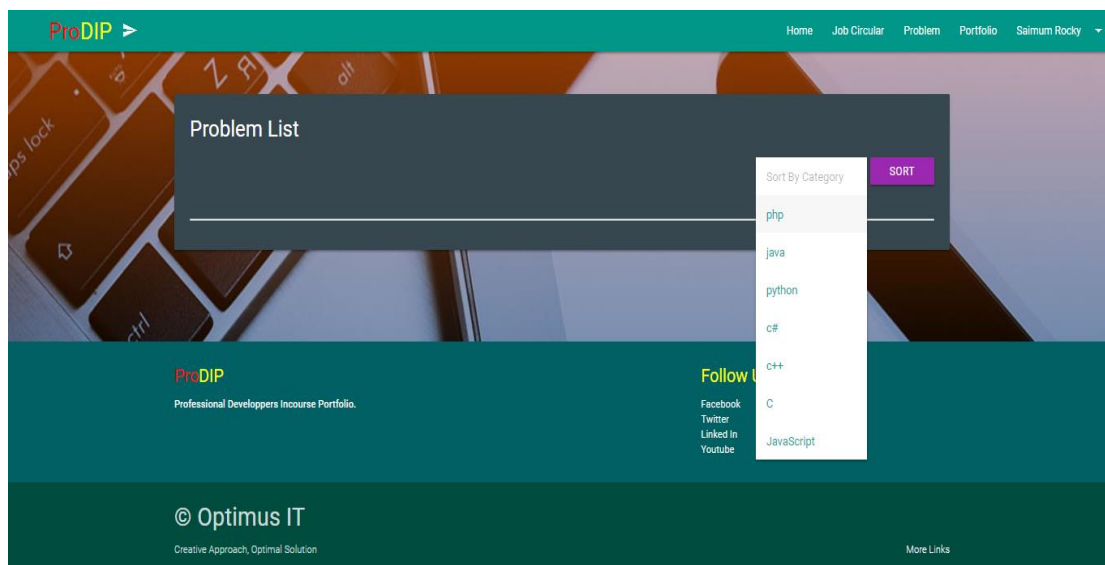


Fig 4.11 : Problem list

#### 4.4.12 Job List

Users who are already skilled can apply for jobs. Companies will post job circulars . Figure 4.12 shows the problem list page.

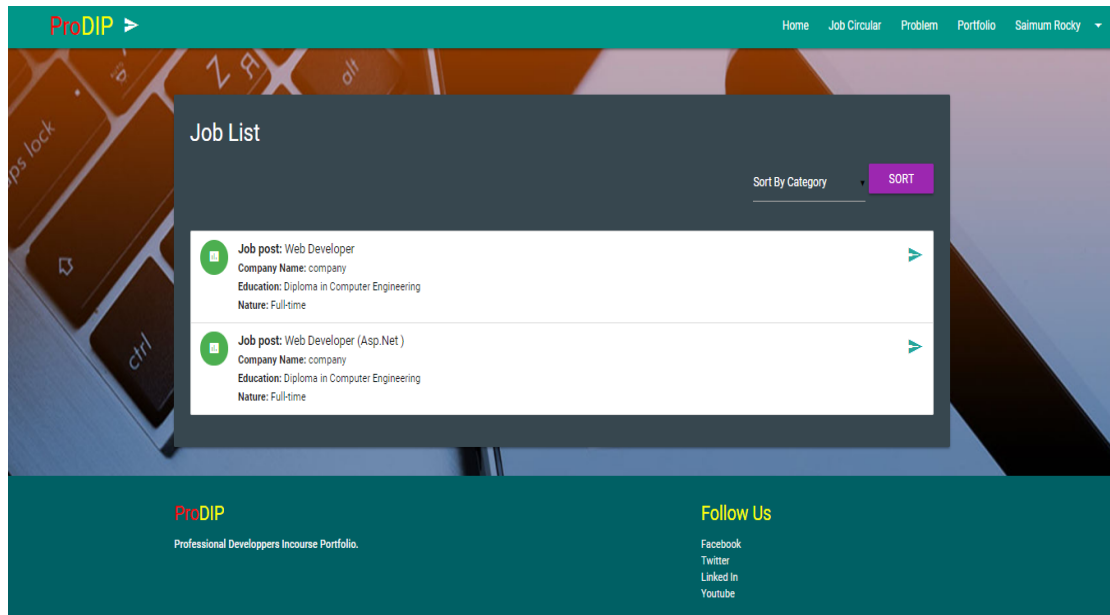


Fig 4.12 : Job List

#### 4.4.13 Exam List

To get an interview call passing in an online exam is required. So companies set up exams for the respective circular. The exam list is shown in figure 4.13.

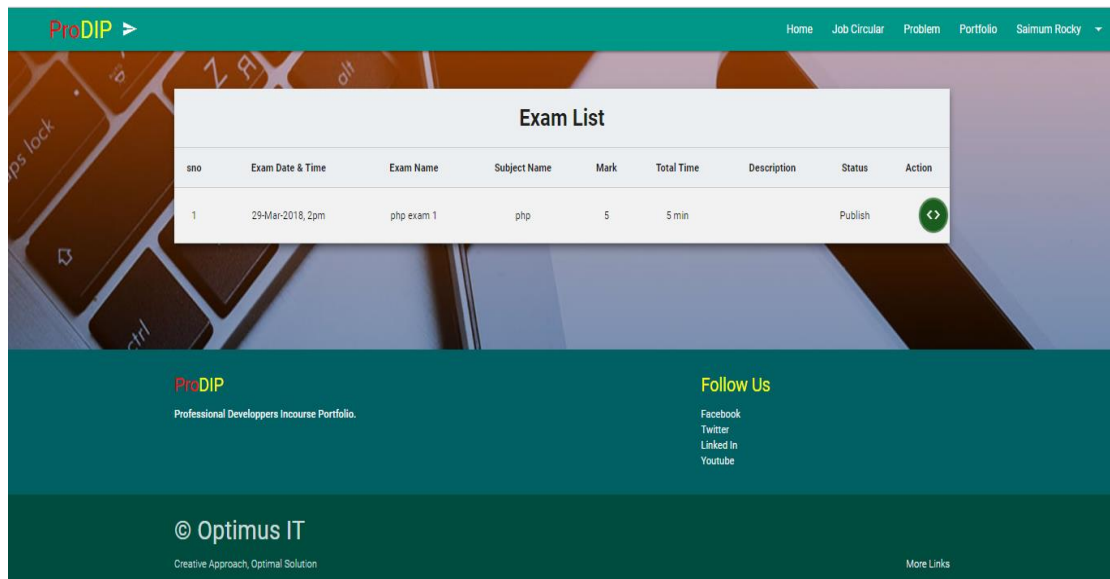


Fig 4.13 : Exam List

#### 4.4.14 Exam Information

All the information about the exam that is set by a company is shown in figure 4.14.

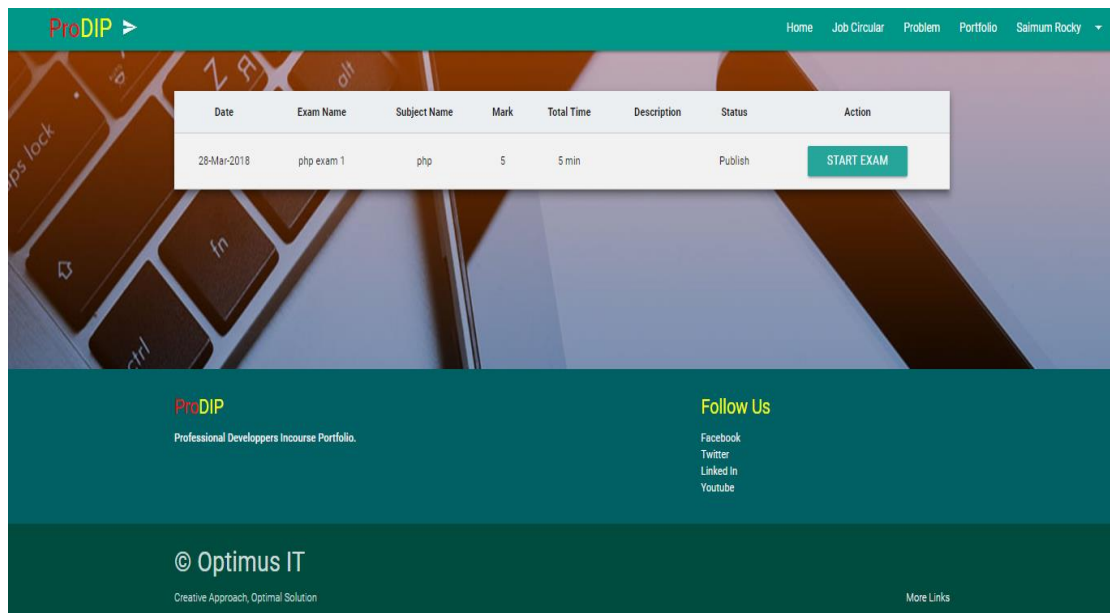


Fig 4.14 : Exam Information

#### 4.4.15 Online Exam

The figure 4.15 shows the online exam page. When a user is set to participate in the exam, this page is opened.

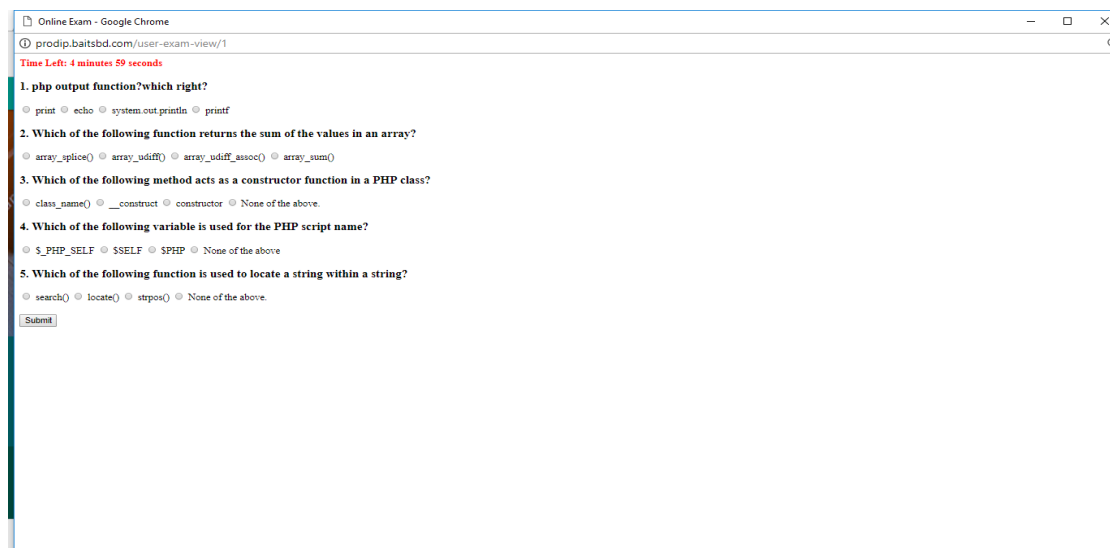


Fig 4.15 : Online Exam

#### 4.4.16 Result

All the results of the exams is shown in the figure 4.16.

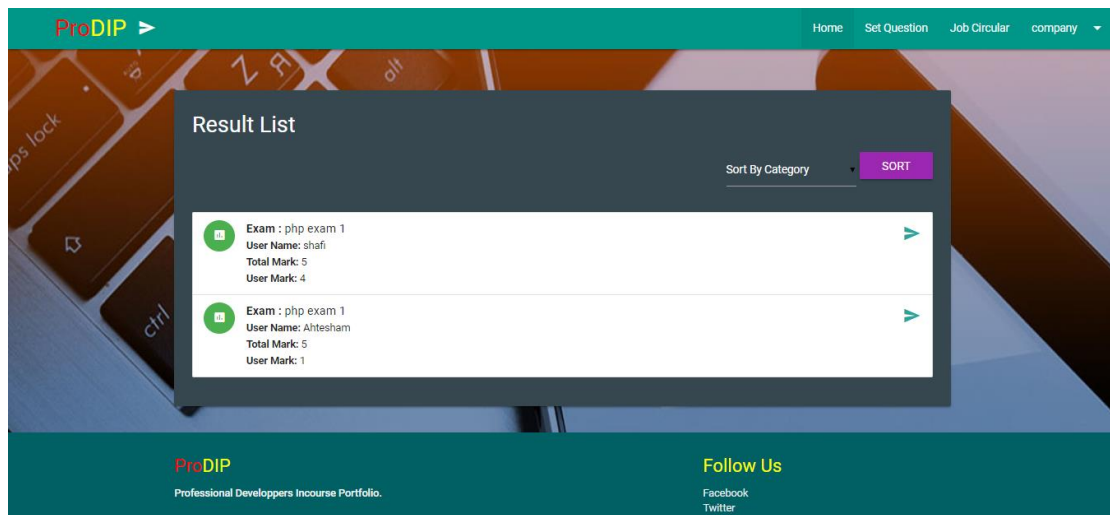


Fig 4.16 : Exam Marks

## **CHAPTER 5**

### **Conclusion & Future Scope**

#### **5.1 Conclusion**

The conclusion of “ProDIP” is to construct such dynamic website, which will provide a very stable platform for both job seekers and software companies to find right person for their company. Besides it will help learners in some process and keep them in the right direction.

Towards the end, we would like to say that the target, which was initially set up, was achieved to a good extent. The project made us realize the significance of developing software for client, where the sole aim is to learn.

During this project, the real importance for following all principle of system analysis and design dawned on us. We felt the necessity of going through the several stages.

As we done the initial investigation, now we can say that this application possible to create. But as project will progress there may some change in functionality of the project.

#### **5.2 Benefits**

There are many benefits from these sites. Finally, software developers have a platform that keep their track of working experience in fully dynamic way. They can have a portfolio that says it all about them. Their skill, knowledge, experience and track of project they have done. It will also keep the record who other are involved in those projects. Companies can choose candidate in a very efficient way. They can set online exams and send interview invitations according the result of the online exam set by them. The benefits are describe below in details.

##### **1. Technology is everywhere**

We are living in a digital era. With all the development, we will have to rely on the technology more than ever. No doubt, job circular automation is the future. With our project, we are one step closer to the future.

##### **2. Increase daily productivity**

The efficiency “ProDIP” will be providing will definitely increase our daily productivity. It will save a lot of time in the industry.

### **3. Collaboration**

As a web based interactive application, it connects developers and companies and learners all over the globe. So it's increase collaboration.

### **4. Save paper & reduce workload**

ProDIP will provide online portfolio system, online exam system, online problem listing and solution uploading and evaluation system. Which saves paper and reduce workload.

### **5. Complete automation for smarter decisions**

This project helps in organizing various aspects of developers and companies. The system helps administrators to access, manage, and analyze data and processes for quick and well-informed decision-making.

### **6. High performance & better employee happiness**

The need to optimize resources leading to a better allocation of staff leads to the incorporation of ProDIP. It is a complete solution that delivers a unique and comprehensive University management.

### **7. Save money & improve student engagement**

ProDIP makes the work and functioning of Job circulation easy to save time and cut down the administrative costs.

## **5.3 Limitations**

This project has also some limitations.

- As it is a web based app it always should be connected with internet to back-up the documents and database.
- If not connected to the internet and system crashes then all the data will be lost.

## **5.4 Future of Our Work**

- Presently the website is suitable for primary some key features. In the future data mining techniques could be applied in the system.
- Database may be available in future for long times and information may be use anytime.

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# PLAGARISM

