Online Lensout System in Pandemic Situation

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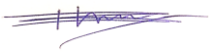

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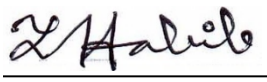

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DECLARATION

We hereby declare that, this project has been done by us under the supervision of **Md. Abbas Ali Khan, Senior Lecturer, Department of CSE** Daffodil International University and Co-Supervisor **Mr. Majidur Rahman, Lecturer, Department of CSE** Daffodil International University. We also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

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ABSTRACT

The LESNOUT is a Photographic Art that welcomes photographic artists worldwide to submit pictures utilizing any photographic interaction (print, picture move, emulsion move, encaustic, high contrast, and so forth). The winner will get the winning amount announced by the challenge coordinator in real money grants, be highlighted in the Online Gallery and in the victor's list. The Grand Prize-winning picture will be posted on the challenge subtleties after proclaimed the photograph that success the challenge page. The beginning of photography focused on consistent with life symbolism like family pictures, pictures of roads, towns, chateaus. Over the long haul photographers extended their vision to more grumpy pictures, at last to where photography is today; a sweeping work of art, created by camera and focal point and delivering an immense examining of symbolism from reality to less unmistakable digests. This call is about the edited compositions; those pictures that are not in a split second recognized as that individual, that thing, and so on It doesn't make any difference on the off chance that you photo something digest or make the reflection through photographic cycles. Large scale shots, close-ups of spray painting, whimsical post-handling controls or simply capturing something at a point that masks it - they all work.

TABLE OF CONTENTS

CONTENTS	PAGE
Board of examiners	i
Declaration	ii
Acknowledgements	iii
Abstract	iv
CHAPTER	
CHAPTER 1: INTRODUCTION	**1-3**
1.1 Introduction	1
1.2 Motivation	1
1.3 Objectives	2
1.4 Expected Outcome	2
1.5 Report Layout	3
CHAPTER 2: BACKGROUND	**4-5**
2.1 Introduction	4
2.2 Related Works	4
2.3 Comparative Studies	5
2.4 Scope of the Problem	5
2.5 Challenges	5

CHAPTER 3: RQUIREMENT SPECIFICATION **6-11**

3.1 Business Process Modeling 6

3.2 Requirement collection and Analysis 7

3.3 Use case modeling and Description 8,9

3.4 Logical Data Mode 9

3.5 DFD diagram 10

3.6 Design Requirements 11

CHAPTER 4: DESIGN SPECIFICATIOND **12-18**

4.1 Front-end Design 12,13

4.1.1 HTML 14

4.1.2 CSS 14

4.1.3 Bootstrap 15

4.1.4 Java script 15,16

4.2 Back-end Design 16

4.2.1 Python 16

4.2.2 SQL 17

4.2.3 Django 17

4.3 Interaction Design and UX 18

4.4 Implementation Requirements 18

CHAPTER 5: IMPLEMENTATION AND TESTING **19-30**

5.1 Implementation of Database 19

5.2 Implementation of Front-end Design 20-29

5.3 Implementation of Interactions 29

5.4 Testing Implementation 30

5.5 Test Results and Reports 30

CHAPTER 6: DISCUSSION AND CONCLUSION **31-31**

6.1 Impact on Society 31

6.2 Impact on Environment 31

6.3 Ethical Aspects 31

6.4 Sustainability plan 31

CHAPTER 7: DISCUSSION AND CONCLUSION **32-32**

7.1 Discussion and Conclusion 32

7.2 Scope for Further Development 32

APPENDIX **33**

REFERENCES **34**

LIST OF FIGURES

FIGURES	PAGE NO
Figure 3.1: Grant chart	6
Figure 3.2: Waterfall Model	7
Figure 3.3: Use case Diagram for Lensout	8
Figure 3.4: Logical Data Model of Lensout	9
Figure 3.5.: DFD of Lensout	10
Figure 4.1: Font end design of login page	12
Figure 4.2: Font end design home page	13
Figure 4.3: CSS of the font end design	14
Figure 4.4: Bootstrap design of Lensout	15
Figure 4.5: Java script code	16
Figure 4.6: SQL design for Lensout	17
Figure 4.7: User profile of Empire Knowledge	18
Figure 5.1: Implementation of user table interfaces	19
Figure 5.2-5.13: All page font end design of Lensout	20-29

CHAPTER-1
INTRODUCTION

1.1 Introduction

The LENSOUT welcomes photographers to investigate humankind in every one of us. From the exemplary studio pictures to the ascent of the selfie, the best representations give a brief look into someone's spirit, an association shaped across nations, societies, and ages. The Organizer Start a Photo challenge the photograph data and the triumphant sum and We look for the accommodation of photos that commend the tasteful and theoretical contemplations associated with the production of the picture: praise variety, imagination, trustworthiness, and self-articulation. Studio representations, real road shots, self-pictures, theoretical and artistic work all gladly received. All classifications, catch types, shading and B&W, conventional and non-customary photographic and advanced after creation measures are welcome for accommodation. Applications will be evaluated on three standards: innovativeness, inventiveness, and the visual/enthusiastic effect of the picture. The victors will be reported on All About Photo and online media. All champs will have their work distributed after the challenge coordinator announced the victor. We have likewise a blog page the photographic artist for sharing their story and photograph in here.

1.2 Motivation

Would you like to take your photography to the following even out? Is it accurate to say that you are search for a concentration to your work? There are numerous approaches to accomplish those points in photography. Yet, every one of these sites are not overhauling admirably to the picture taker. That cutthroat edge is a great method of driving your photography on by that additional couple of percent. On this site, you'll find some incredible motivations to participate in a challenge. At that point you'll discover some extraordinary challenges to enter, and a portion of the potential entanglements that a few challenges present.

There are times as a photographic artist that you'll float a smidgen. Regardless of whether that implies you photo less, or when you do photo there's not all that much union to it relies upon you as a photographic artist. Indeed, even those with clear thoughts regarding their photography profit by an unmistakable course to head in, and a photograph challenge is one incredible approach to accomplish this. Not all, but rather numerous photograph challenges have topics, and it's this subject you focus your brain on as you hope to make the best photograph.

1.3 Objectives

- Time and energy saving.
- Skill development for the new photographer.
- Make a place for the photographer so that the can earn money.
- Accessibility of different themes at one spot.
- To make the process time proficient.
- Help all to share their photography experience and idea with others.
- To make a simple method of learning.
- Simple to utilize.

1.4 Expected Outcome

The LENSOUT welcomes photographers to investigate humankind in every one of us. From the exemplary studio pictures to the ascent of the selfie, the best representations give a brief look into someone's spirit, an association shaped across nations, societies, and ages. There is some expected outcome from my website, I have tried to help both photographer and the photo lover so that they can be benefited from my website.

There is some expected outcome listed below:

- Story-based Contests
- Event-based Contests
- Co-Marketed Contests
- Prize Package Contests
- Social Good Contests
- Creative Contests
- Caption Contests
- Awareness Month Contests

1.5 Report Layout

Chapter 1 In this segment we have talked about the inspiration of our task, targets, what's more the conventional eventual outcome of our undertaking.

Chapter 2 We have presented about the foundation of our work and take a gander at about others related works, tantamount assessments, the level of the issues and difficulties in this section.

Chapter 3 We have surveyed in this piece about our fundamentals like association showing, use case model, ER Diagram, and the other game plan necessities.

C**hapter 4** Our endeavor all given course of action thought like front end and back end plan, a planned exertion plan and the execution fundamentals.

Chapter 5 In this part, we will share the execution of our data set, front-end plan and the test outcomes and reports of the endeavor.

Chapter 6 In this section we will take a gander at our decision and what will be our doable course of action with this undertaking.

CHAPTER-2
BACKGROUND

2.1 Introduction

The LESNOUT is a Photographic Art that invites photographic specialists worldwide to submit pictures using any photographic communication (print, picture move, emulsion move, encaustic, high difference). The champ will get the triumphant sum reported by the test organizer in genuine cash awards, be featured in the Online Gallery and in the victor's rundown. The Grand Prize-winning picture will be posted on the test nuances after announced the photo that achievement the test page. All champs will have their work distributed after the challenge coordinator proclaimed the victor. We have likewise a blog page the photographic artist for sharing their story and photograph in here. Applications will be evaluated on three standards: innovativeness, inventiveness, and the visual/enthusiastic effect of the picture. The victors will be reported on All About Photo and online media. All champs will have their work distributed after the challenge coordinator announced the victor.

2.2 Related Works

There are numerous sites in internet browsers. Their services are adequate. Some of research paper and web application have some interesting features and good quality of works [3-8]. All these features are too good and enough for a web application. In lensout there are some same quality features that I have included and try some interesting features for photographer. Some of paper describe some photo related concept but not include about contest related topic. There is some extra ordinary work we can see and enjoy it [3] [4] [5]. Be that as it may, our site is a full bundle. There are in like manner many ailing in their destinations. By using those locales individuals aren't getting their normal administrations. The current destinations are offering just individual help. Among them, e-courier is one of the flows assists that with giving package administration basically by using their specialist. But we are offering the most expensive features and technology to the photographer that

he/she need in his career. We thought about their life also and make a environment so that they can earn money from here.

2.3 Comparative Studies

On the off chance that we think about investigations between the current venture in our country for the educational websites system and our LENSOUT website than we can say that there are contrasts and interesting highlights for taking care of the issues of photographer and others. The champ will get the triumphant sum reported by the test organizer in genuine cash awards, be featured in the Online Gallery and in the victor's rundown. The Grand Prize-winning picture will be posted on the test nuances after announced the photo that achievement the test page. User can also request for withdraw from our website using PayPal.

2.4 Scope of the Problems

Since our endeavor is a Photo Contest site, it is fundamental to consider security issues. In the event that security is less dependable, by then it will be an enormous issue. As of now, the world is changing quickly and our plan demands a standard simultaneousness between two associations of individuals. It is an open stage for all where all that photographic artist can connect with no issue. Clients can without a very remarkable stretch make a record and login in admittance to the site. Administrator can underwrite to course the entirety of client's entrance for post and comment.

2.5 Challenges

There are numerous obstacles when each new thing is designed. We additionally confronted numerous troubles and difficulties. During the turn of events and testing meeting of our undertaking (Lensout), we went up against various hindrances and issues for making the web application protected and straightforward.

- Gathers important data and review the system

CHAPTER 3

REQUIREMENT SPECIFICATION

3.1 Business Process Modeling

Basically, we want to evaluate our project in our country's people. For this reason, at first, we choose to make some parts of this project as non-productive business. We prefer Business Process Modeling. We will use it business reason. We pick Business measure displaying due to its improving productivity, straightforwardness, measure readiness and so forth It assists with a more profound arrangement how might be our cycle work.

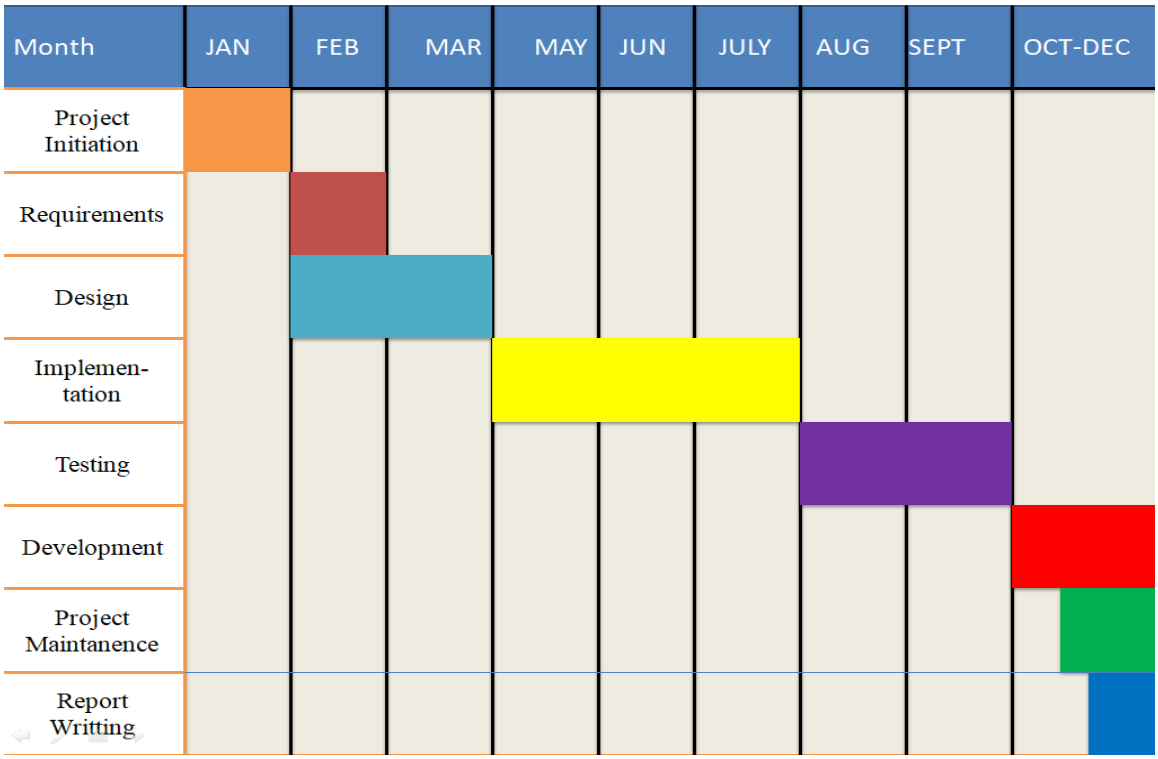

Figure 3.1: Gantt chart for Lensout

3.2 Requirement Collection and Analysis

Requirement analysis alludes to programming interface with other framework components and furthermore builds up certain imperatives. A developer develops fundamental necessities set up before essential planning endeavors that grant an essential examination. In the event that our venture group neglects to gather all fundamental requirements for a design or arrangement then we will deal with a gigantic issue. Thus, in such a circumstance requirement assortment ought to be an essential duty of a task group.

In our venture Waterfall Model has been utilized for advancement. Since as indicated by our undertaking highlight its successful, straightforward and straightforward.

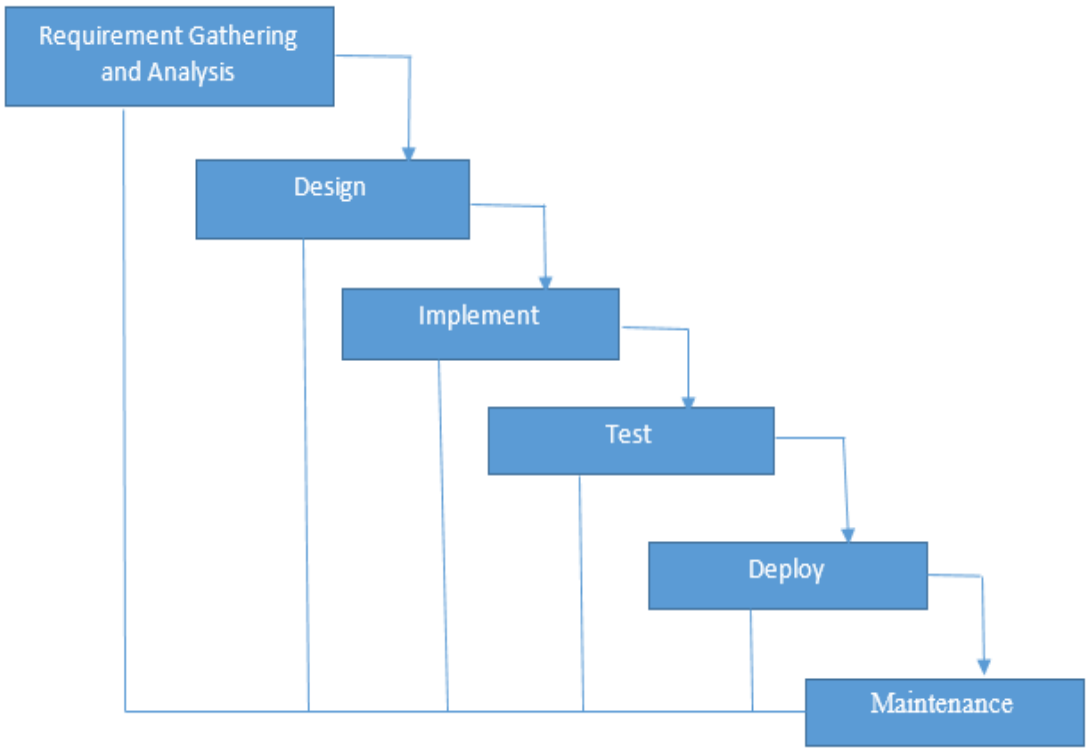

Fig 3.2: Waterfall Model

3.3 Use case Modeling and Description

At the point when we need examination for our undertaking, at that point Use case model assumes an essential part for graphical speaking to utilize case and entertainer cooperation with the framework. For making a utilization case graph a designer ought to have immense information about the client, use cases and connection between them. In our undertaking there are a few uses cases, entertainers for giving significant level perspective on the framework.

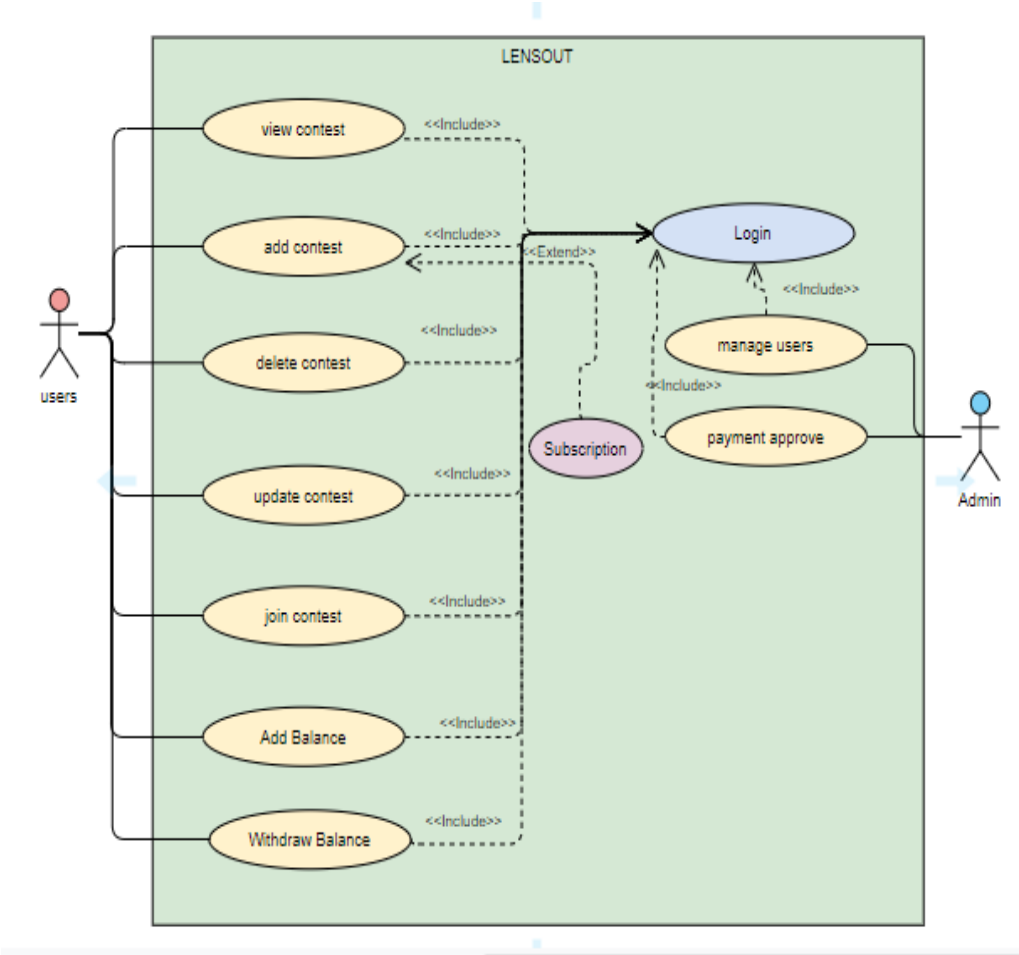

Figure 3.3: Use case Diagram for Lensout.

Our framework has the accompanying arrangement of utilization cases. In the arrangement of our task clients can be normal or coordinated. The two clients need to sign in first and afterward get the assistance. A client without enrollment can see the site however on the off chance that he/she attempts to peruse the book should sign in to the site. To finish an effective login to the web applications, the client needs to top off some essential data. On the off chance that any client needs to peruse premium books, he/she needs to purchase a bundle. The client needs to installment by utilizing a PayPal account. Administrator needs to sign in first. At that point he can refresh and erase books. Administrator keeps up supplier and client.

3.4 Logical Data Model

A Logical data model is an overall portrayal of the data-elements and connections. It likewise shows ascribes.

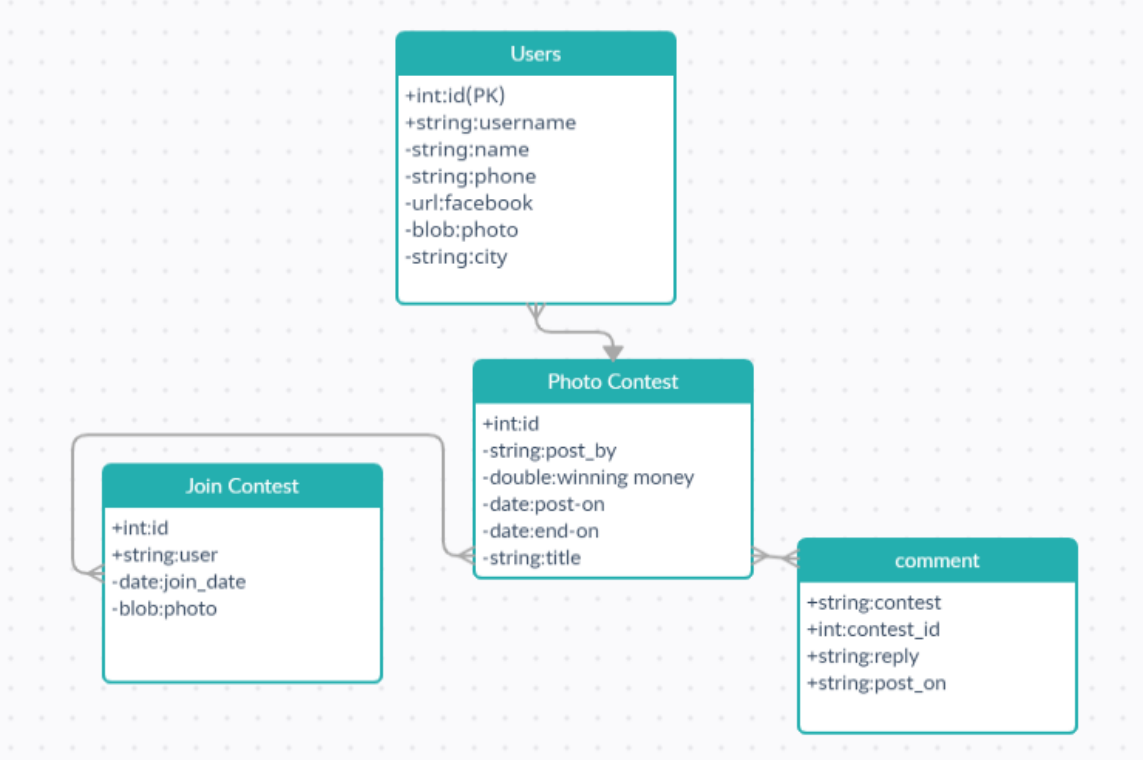

Figure 3.4: Logical data model for Lensout

3.5 Data Flow Diagram

The Empire Knowledge system is for the learners which shows all the element and traits. For making a Data flow diagram there is two levels which are following:

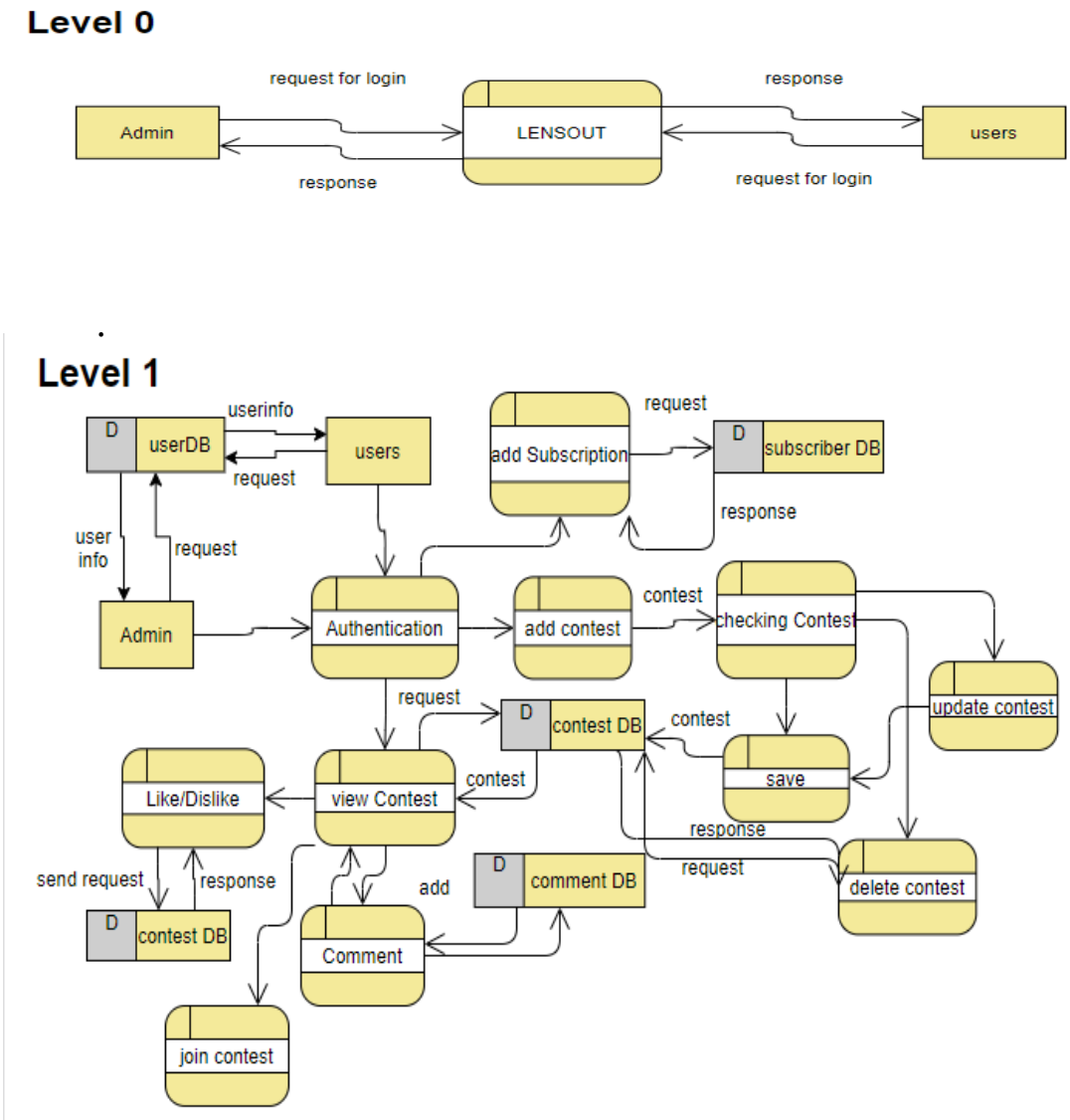

Figure 3.5: Figure DFF for Lensout

3.6 Design Requirements

Plan requirements express the significant angles that your plan should be address customer issues. This part examines the execution of the framework that is an electronic framework. In this part, the entire application configuration is appearing. The project compositional design, use case outline, ER charts manage well. This framework will require four kinds of customers like Admin and customer. The plan of the venture is easy to use, gorgeous, and efficient. Present day and refreshed plan devices have been utilized for enriching this undertaking. The product has numerous benefits and permitted us to think about future turn of events. Online application offers us the chance to discover any data from anyplace on the planet. I have planned my web application that clients, Admin can make a record by the login into the system. The dashboard arranged with adds, adjust, delete and put the customer id that is all easy to find and get to.

CHAPTER 4
DESIGN SPECIFICATION

4.1 Front-end Design

Front-end web improvement is the exhibition of changing data over to a graphical interface for clients to see and collaborate with data through the motorized affiliation. Front-end setup is about the UI of the application. Here is the UI plan and interchanges can see all the data in a useful strategy that is certainly not difficult to examine and collect. For masterminding front-end improvement HTML, CSS, Bootstrap4, and JavaScript substance utilizing for making our association framework. We make fragments and features that are particularly gotten to by all clients over a front-end improvement structure. We made a fundamental and well front-end plan for the clients who searched for this application for quite a while. The essential piece of programming improvement is to mastermind the front-end plan.

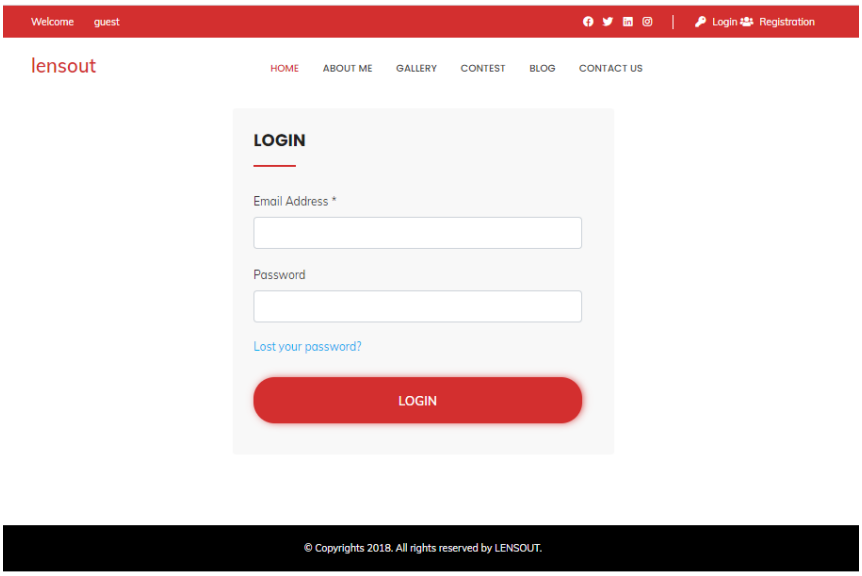

Figure 4.1: Front-end design of login page.

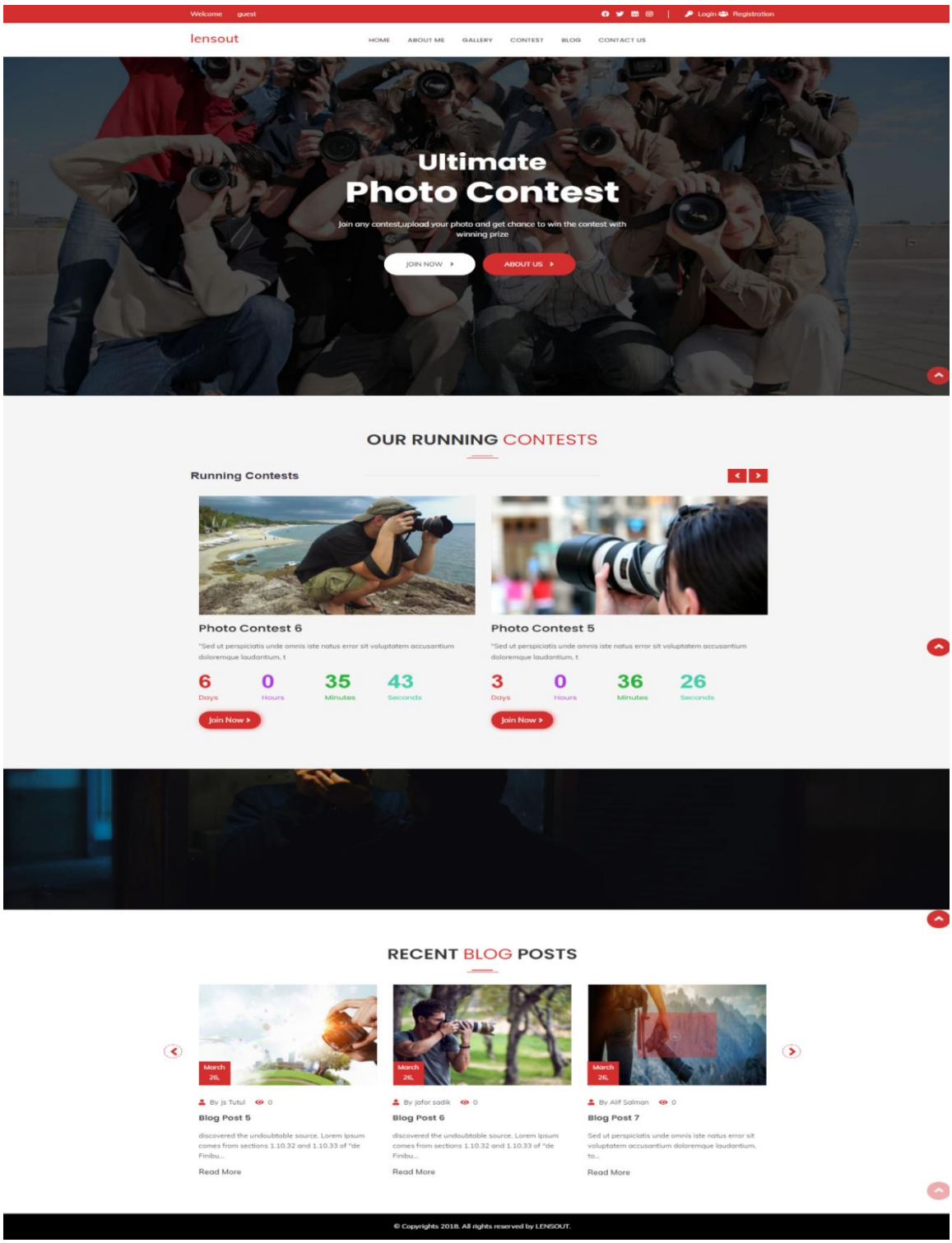

Figure 4.2: Front-end design of home page.

4.1.1 HTML

HTML is a milestone language that made electronic records and is accessible at www. Each page includes links to different pages and that is called hyperlinks. It can be assisted by headways, for example, Cascading Style Sheets (CSS) and writing vernaculars, for example, JavaScript.

4.1.2 CSS

Falling Style Sheets (CSS) is an essential part for adding style (e.g., text styles, colors, scattering) to Web reports. Examination was done with Cascading Style Sheets (CSS) and the various ways it very well may be utilized to control both the arrangement and style of the site. There was some experimentation with utilizing imprints and CSS to controlled arrangement, also as utilizing tables to control plan with some CSS to assemble things like strategy and disguising.

Figure 4.3: CSS of the front-end design

Our main focus on bootstrap built in css, actually I want to develop something user friendly so that a user can easily like to use our system.

4.1.3 Bootstrap

Bootstrap is a free & open-source structure for making locales. It is a mix of HTML, CSS, and java content code for make UI parts. It is comparably considered a front-end framework that is free accumulating of instruments for making objectives and web applications.

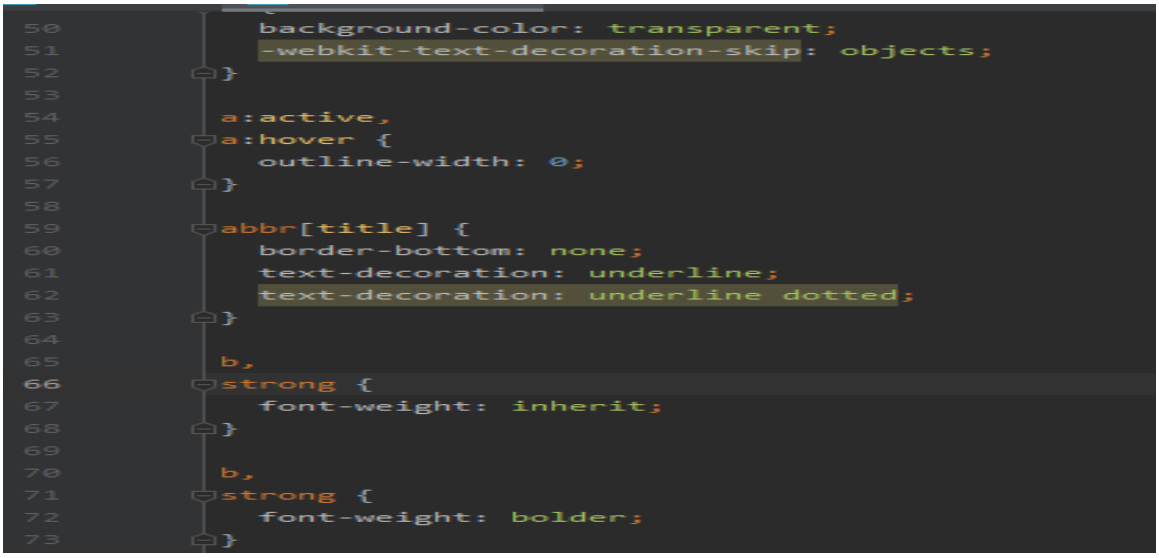

Figure 4.4: Bootstrap design of the social site.

4.1.4 Java Script

Java Script is otherwise called JS. It is a unique programming language. Essentially it is the programming language of the web for its lightweight. JavaScript gives site pages intelligent parts that interface with a customer.

```
$(document).on('click','#interested',function(event) {
    event.preventDefault();
   var pk=$(this).attr('value');
   $.ajax({
      type:'POST',
      url:'{% url 'interested_event' %}',
      data:{'event_id':pk,'csrfmiddlewaretoken':'{{ csrf_token }}'},
      dataType:'json',
      success : function (response) {
          $("#interested-section").html(response['form']);
          console.log("done");
      },
      error: function (rs,e) {
          console.log(rs.responseText);
      }
   });
});
```

Figure 4.5: sample code of Java Script code of the site.

4.2 Back-end Design

Back-end Design contains a laborer, an application, and a data base. It is essentially framing code that isn't seen direct or eye to eye. This is a central piece of programming and the full design depends upon it. It is likewise called worker side programming. The essentials of backend web improvement incorporate dialects, for example, Java, Ruby, Python, PHP, .Net and so on There are heaps of multipliers remains alive respect the scripting dialects or the laborer side dialects data base, framework, data base association, security, check, endorsement, data affirming, data fortifications as well.

4.2.1 Python

Python is an interpreted, significant level and broadly useful programming language. It supports numerous programming standards, including organized (especially, procedural), object-arranged, and functional programming.

4.2.2 SQL

SQL is the standard language for storing, controlling and retrieving data from databases. Designed to manage data stored in an integrated data management system (RDBMS). SQLite databases are server-free and independent, as they read and compose data into a record.

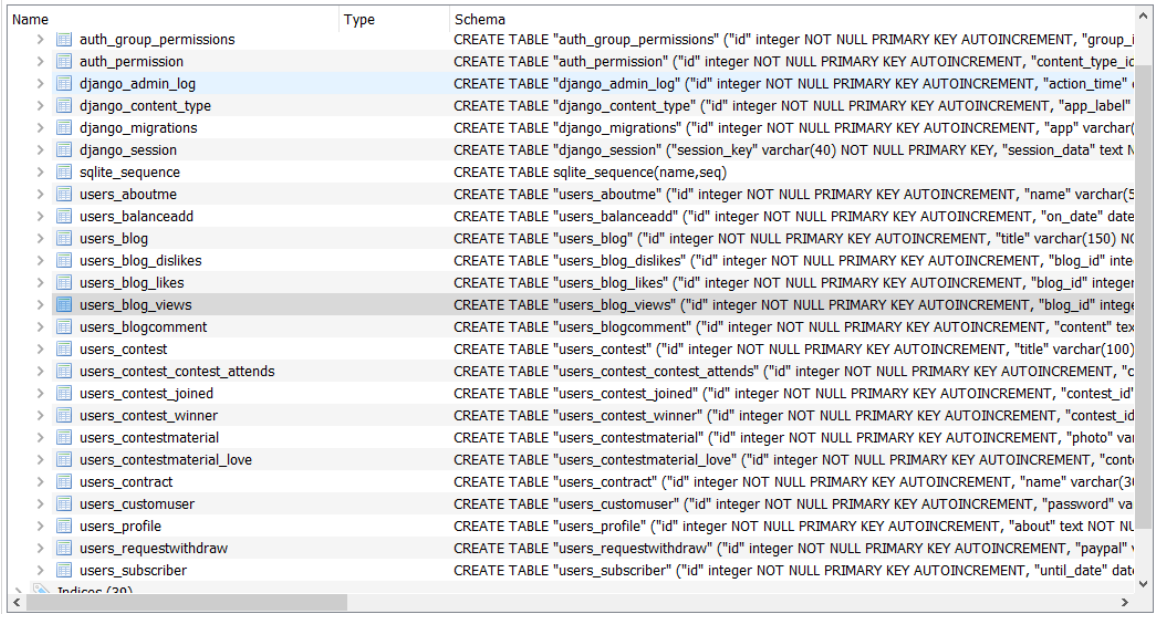

Figure 4.6: Using SQL for database management (migration table).

4.2.3 Django

Django is an elevated level Python web structure that empowers fast improvement of secure and viable sites. It is free and open source, has a flourishing and dynamic network, extraordinary documentation, and numerous alternatives for nothing and paid-for help. It is complete, secure, portable, adaptable, viable, versatile. We have used Django 2.7 version here.

4.3 Interaction Design and UX

I developed this web application managing bootstrap and text style great.Originators centers around building selecting web interfaces with reasonable and exercises. Whole arrangement of this undertaking is not difficult to utilize and some high level and update setup mechanical assemblies have been used for this assignment.

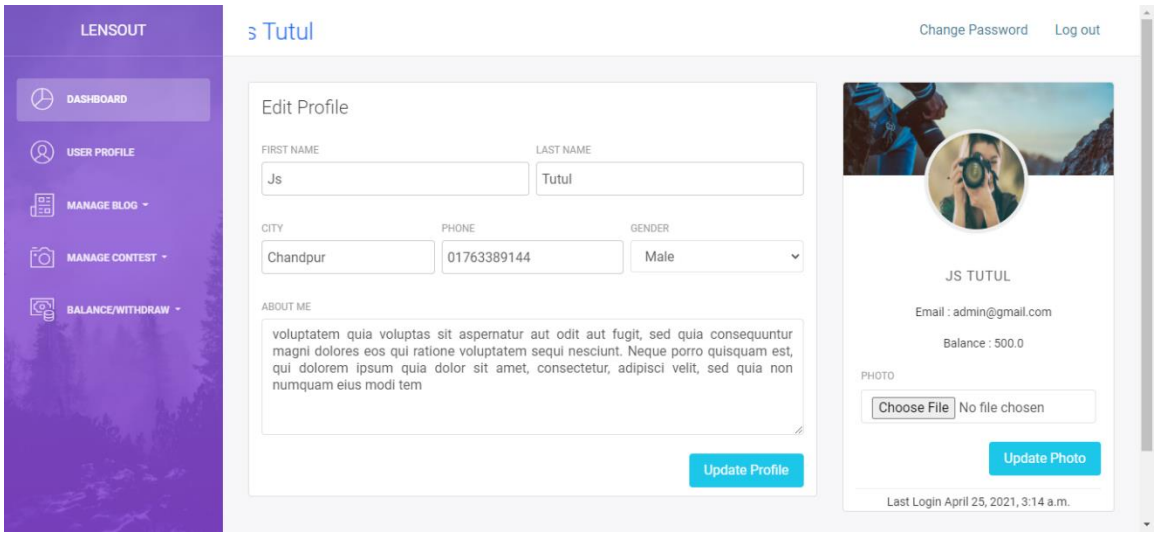

Figure 4.7: User profile Lensout

4.4 Implementation Requirements

- The configuration expected to execute in the programming language Python.
- For web server its exceptionally favored information base is SQL.
- It is intended to deal with information in a relational database management system.
- We have used HTML and CSS to design the website.
- The website gives some dependable facilities to all clients.
- Java script is used for creating network-driven applications.
- An error message will be showed for invalid data.
- Bootstrap is used for dynamic struct
- Some Django Libraries.

Chapter 5

Implementation and Testing

5.1 Implementation of Database

The utilization deals with the spot you present data base organization structure on the fundamental gear, update the enlightening assortment to run best programming stage. A highlight of programming building is the locale of the advancement structure into the improvement of stages, steps, everybody bases on one piece of the improvement.

Name	Type	Schema
users_contract		CREATE TABLE "users_contract" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMENT, "name" varchar(3
users_customuser		CREATE TABLE "users_customuser" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMENT, "password" va
id	integer	"id" integer NOT NULL
password	varchar(128)	"password" varchar(128) NOT NULL
last_login	datetime	"last_login" datetime
email	varchar(255)	"email" varchar(255) NOT NULL UNIQUE
first_name	varchar(20)	"first_name" varchar(20) NOT NULL
last_name	varchar(20)	"last_name" varchar(20) NOT NULL
is_active	bool	"is_active" bool NOT NULL
is_staff	bool	"is_staff" bool NOT NULL
is_superuser	bool	"is_superuser" bool NOT NULL
is_varified	bool	"is_varified" bool NOT NULL
verification	bool	"verification" bool NOT NULL
created_at	datetime	"created_at" datetime
updated_at	datetime	"updated_at" datetime NOT NULL
users_profile		CREATE TABLE "users_profile" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMENT, "about" text NOT NU
id	integer	"id" integer NOT NULL
about	text	"about" text NOT NULL
photo	varchar(100)	"photo" varchar(100) NOT NULL
gender	varchar(12)	"gender" varchar(12) NOT NULL
phone	varchar(11)	"phone" varchar(11) NOT NULL
city	varchar(50)	"city" varchar(50) NOT NULL
balance	real	"balance" real NOT NULL
email_id	integer	"email_id" integer NOT NULL UNIQUE
users_requestwithdraw		CREATE TABLE "users_requestwithdraw" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMENT, "paypal"

Figure 5.1: Implementation of user table database.

5.2 Implementation and Front-End Design

Front-end improvement by and large called consumer side progression which was set up of making HTML, CSS, Bootstrap, and JavaScript for a web application. So a client can watch and interface with them unequivocally. The testing structure related to front-end improvement to makes the front finishing of a site change dependably as such the originator solicitations to continually consider how to field is advancing.

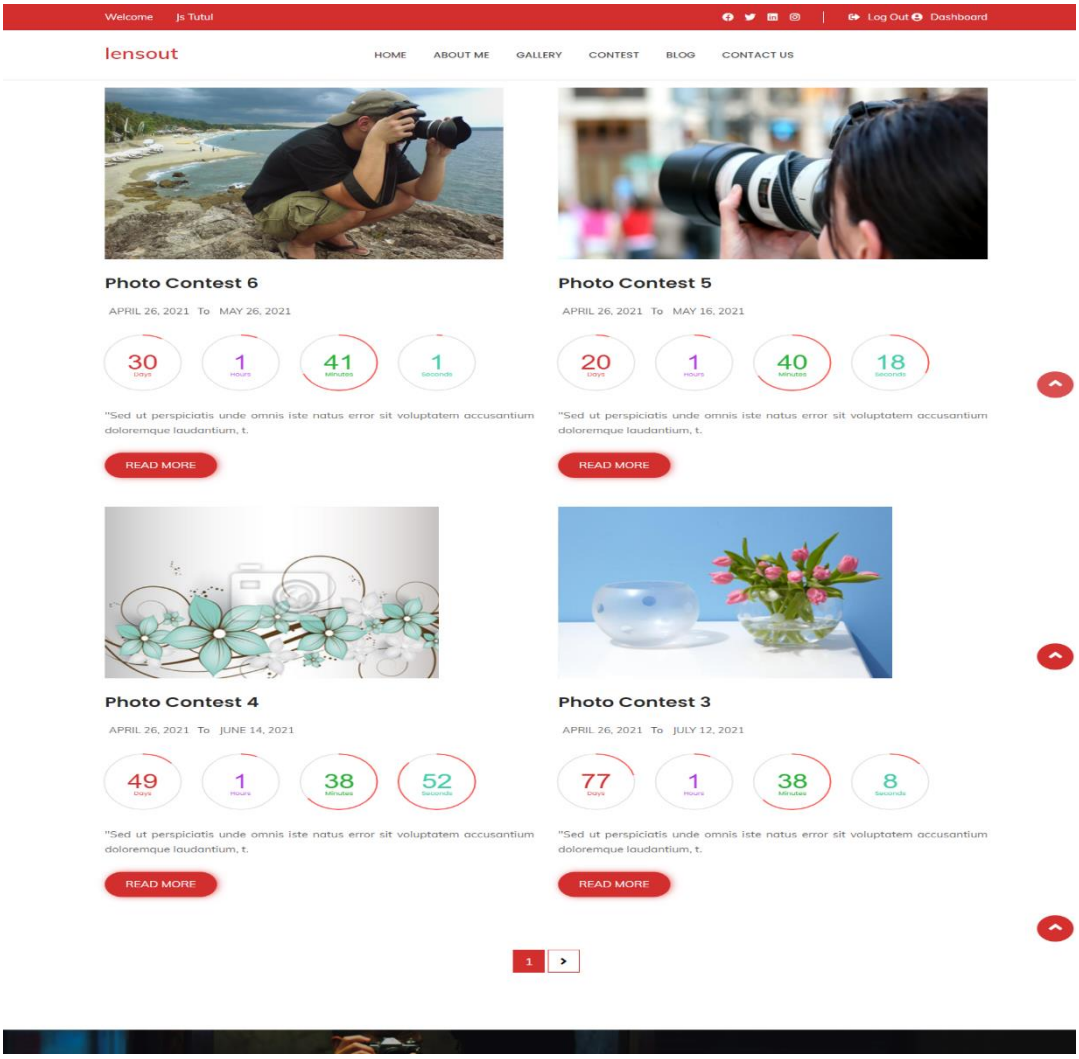

Figure 5.2: Home page of Contest

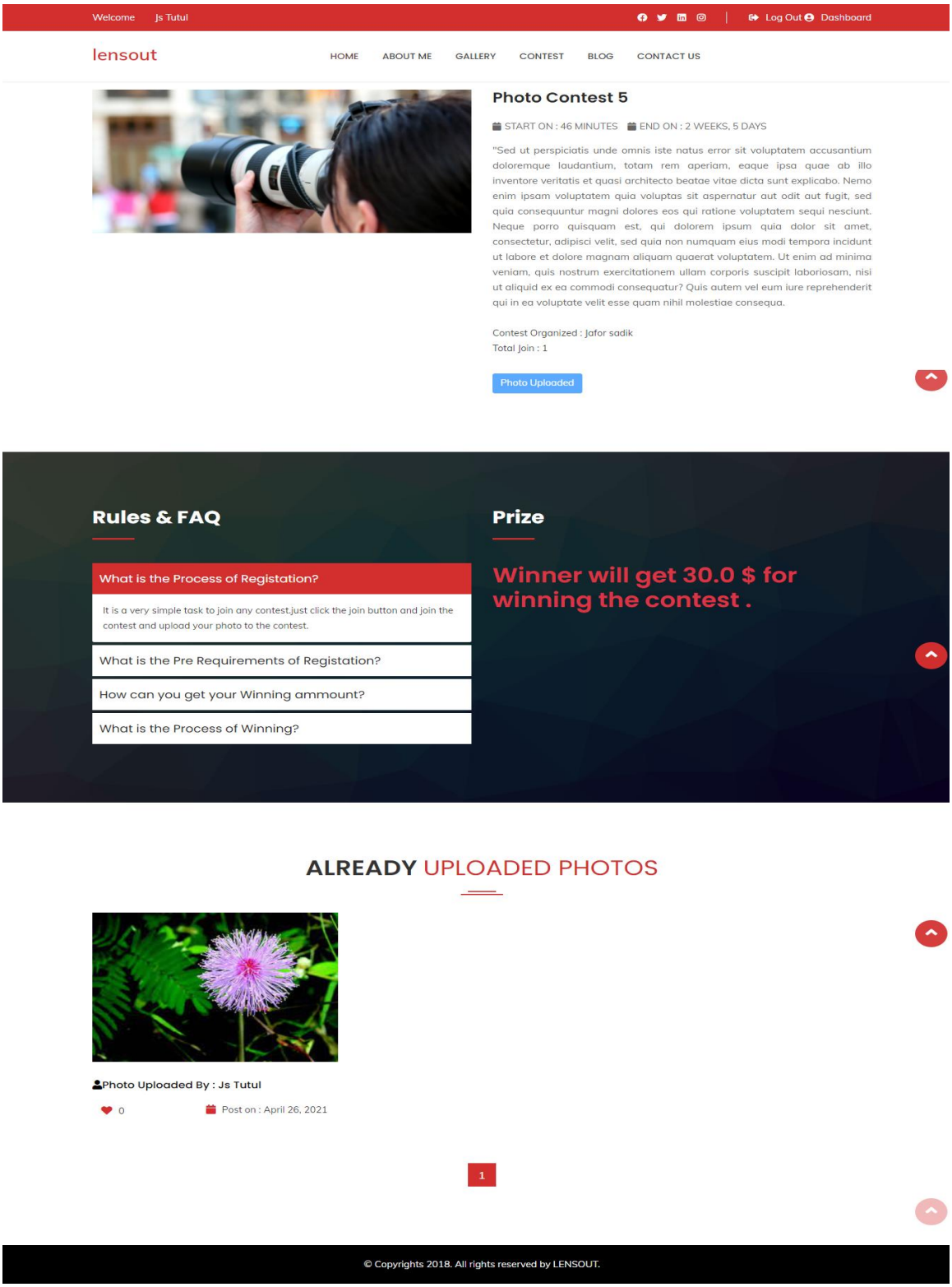

Figure 5.3: Contest Details Page

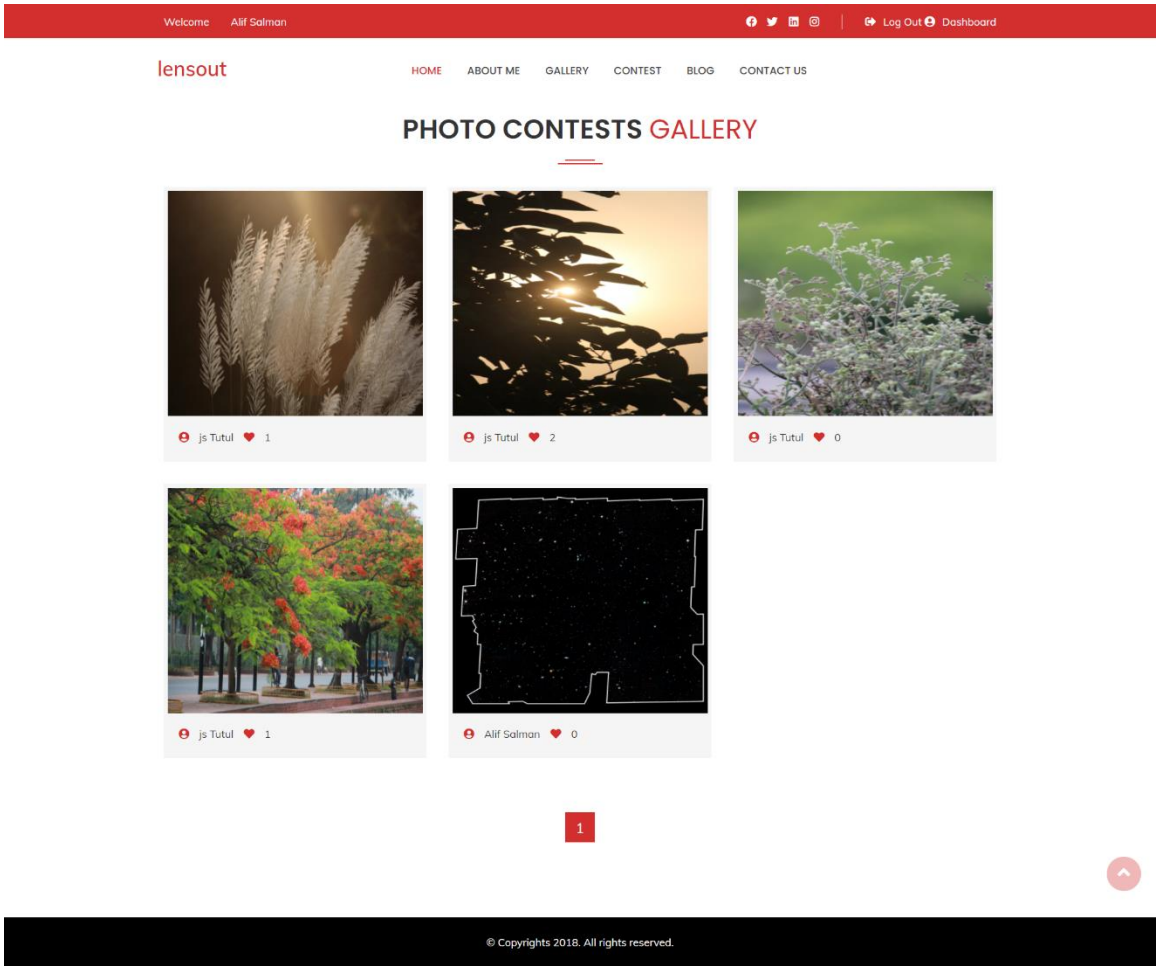

Figure 5.4: Gallery page of lensout

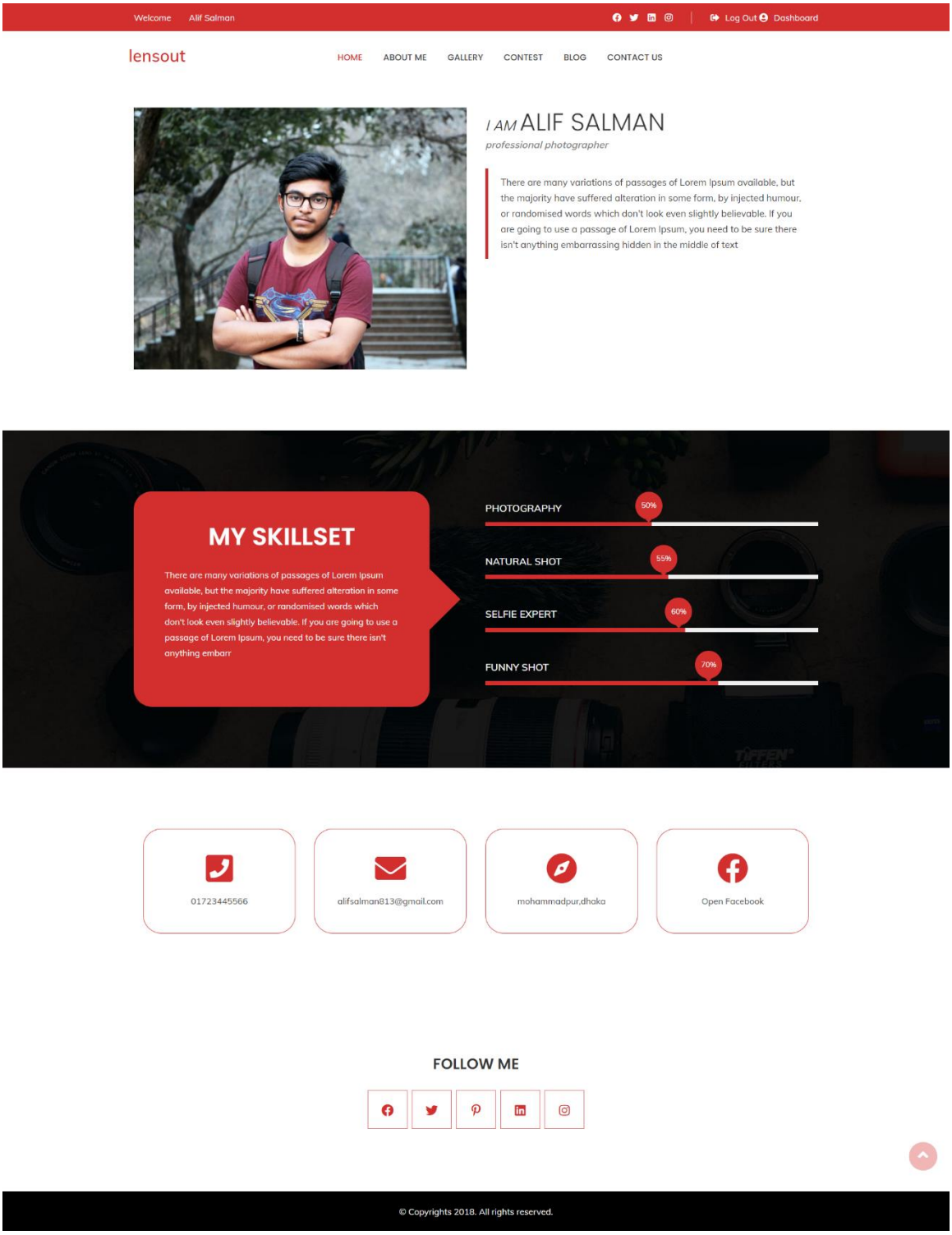

Figure 5.5: About page of lensout

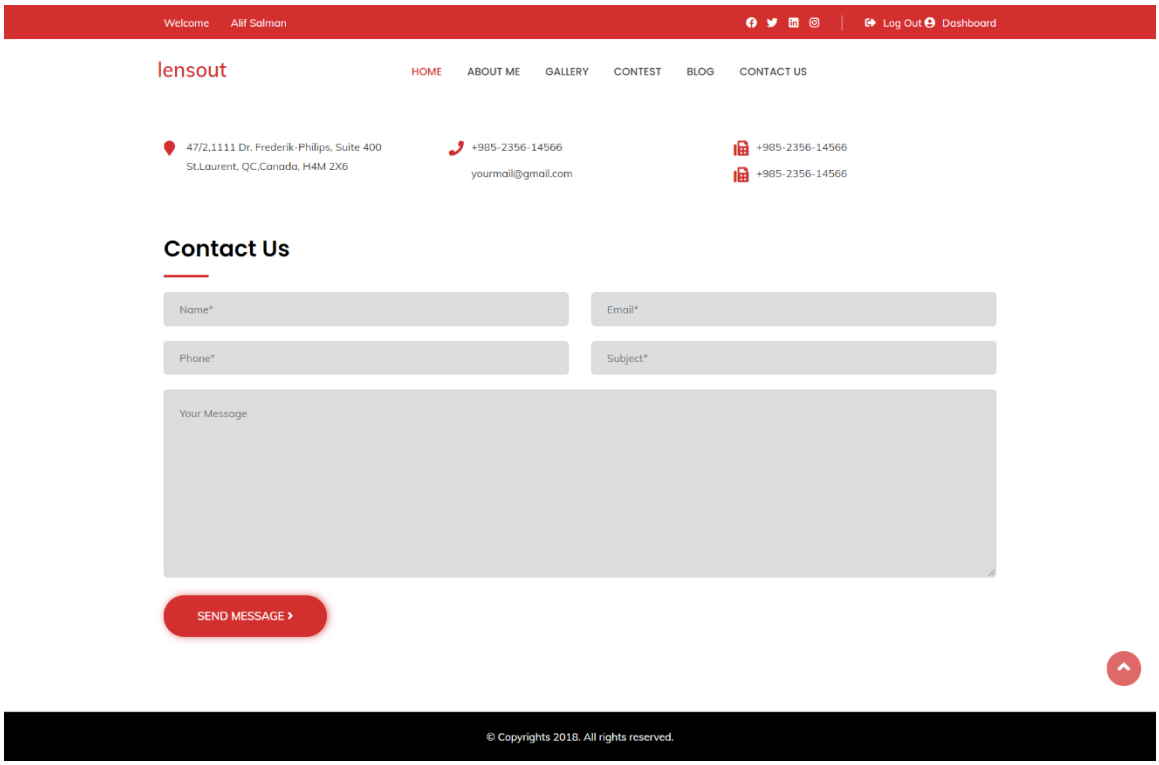

Figure 5.6: Contract page

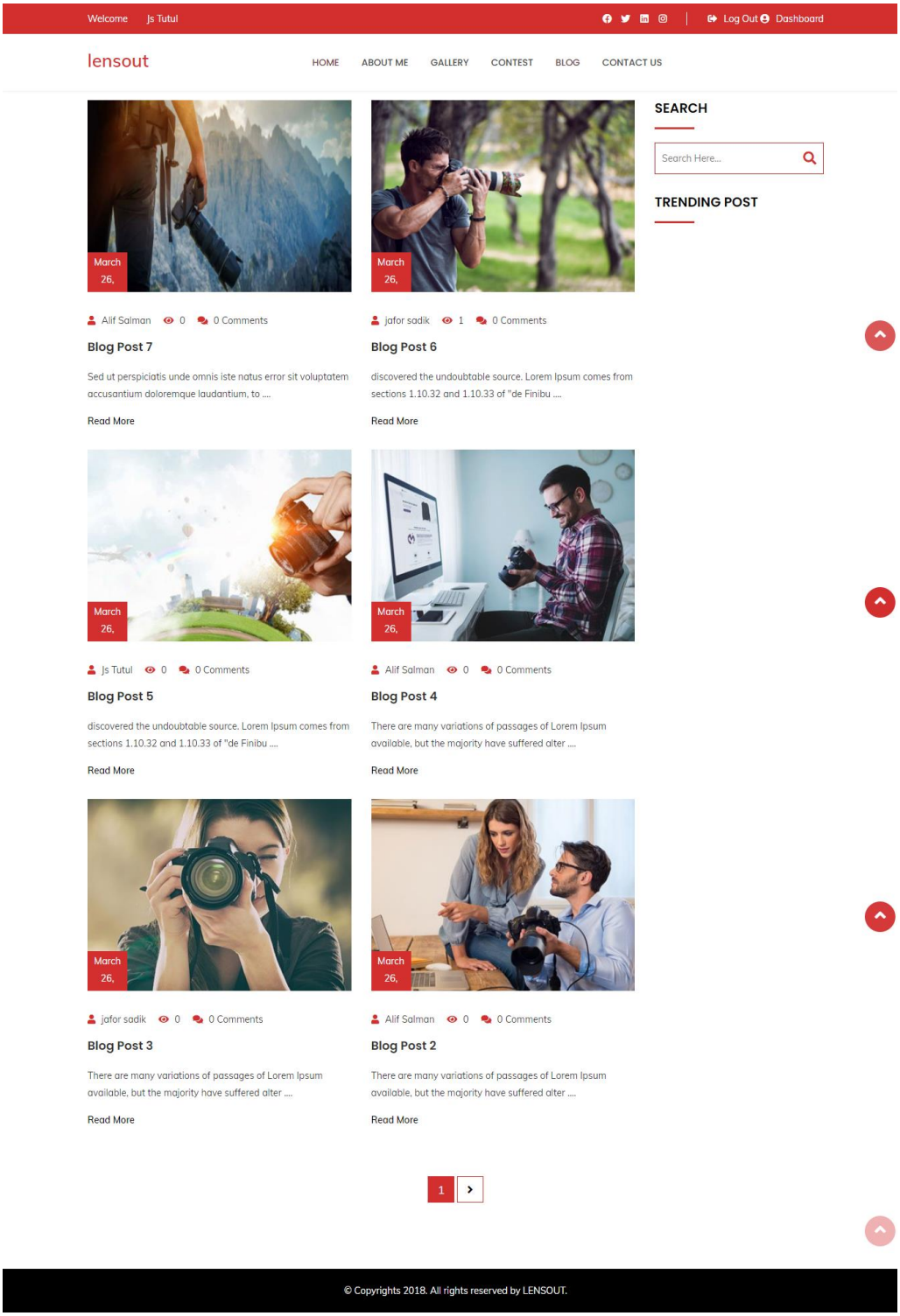

Figure 5.7: Blog home page

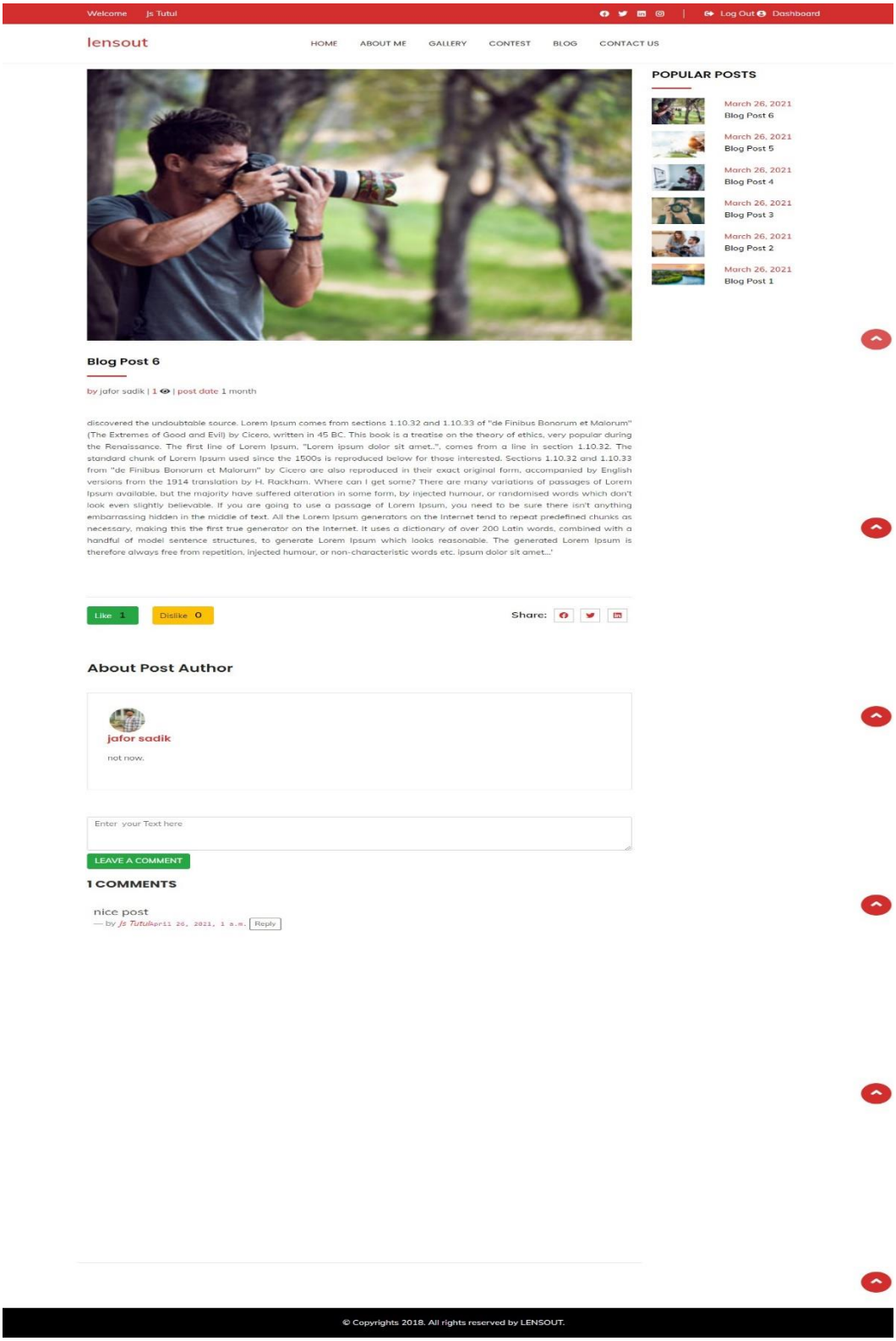

Figure 5.8: Blog Details page

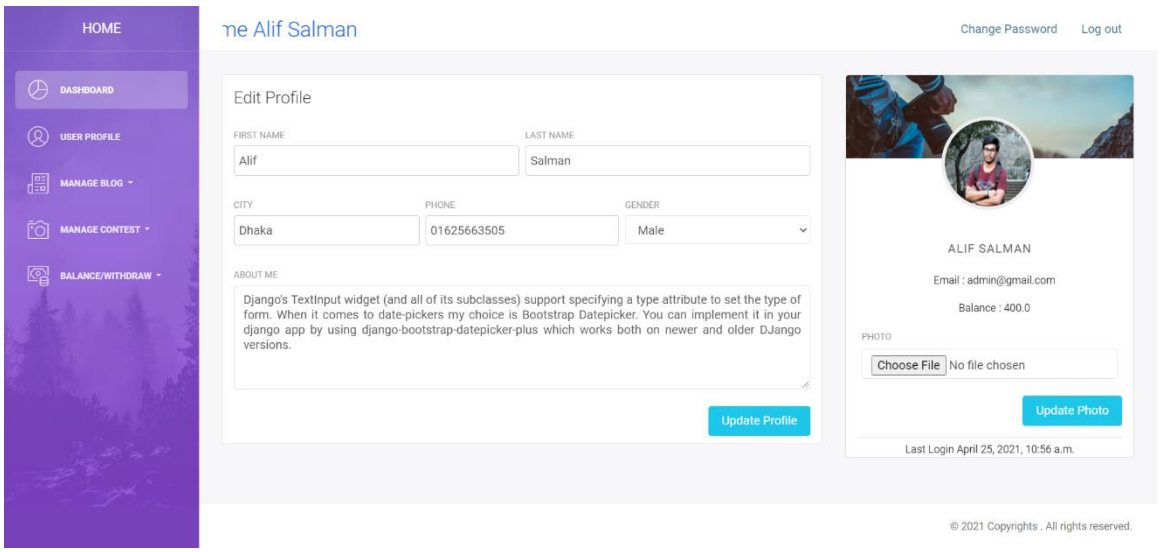

Figure 5.9: profile page of lensout

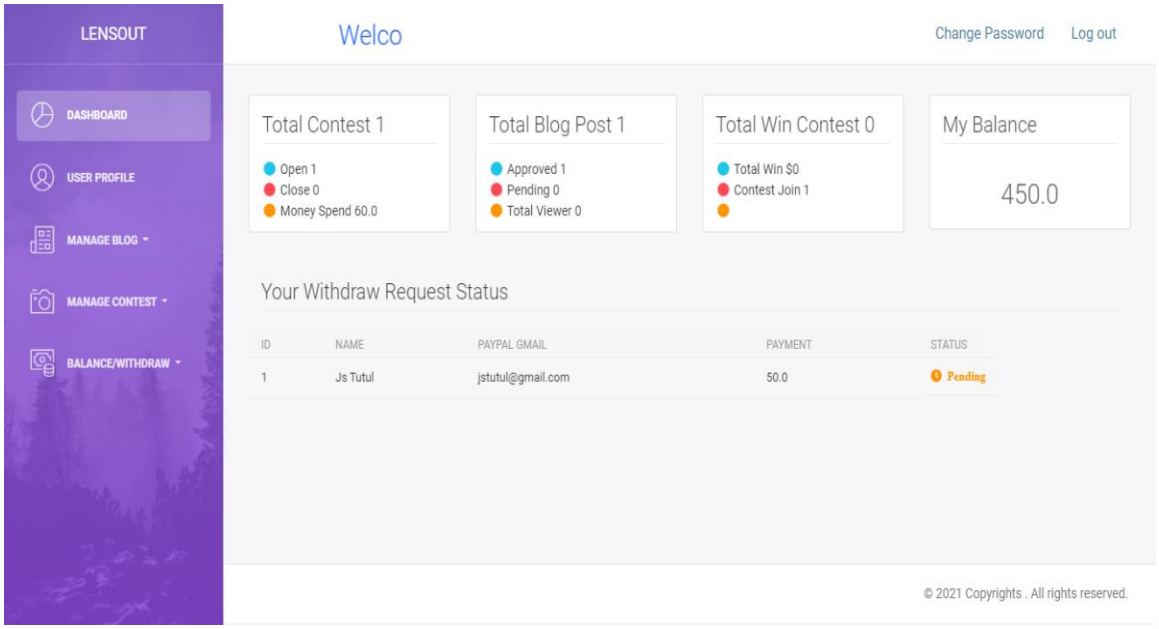

Figure 5.10: dashboard of lensout

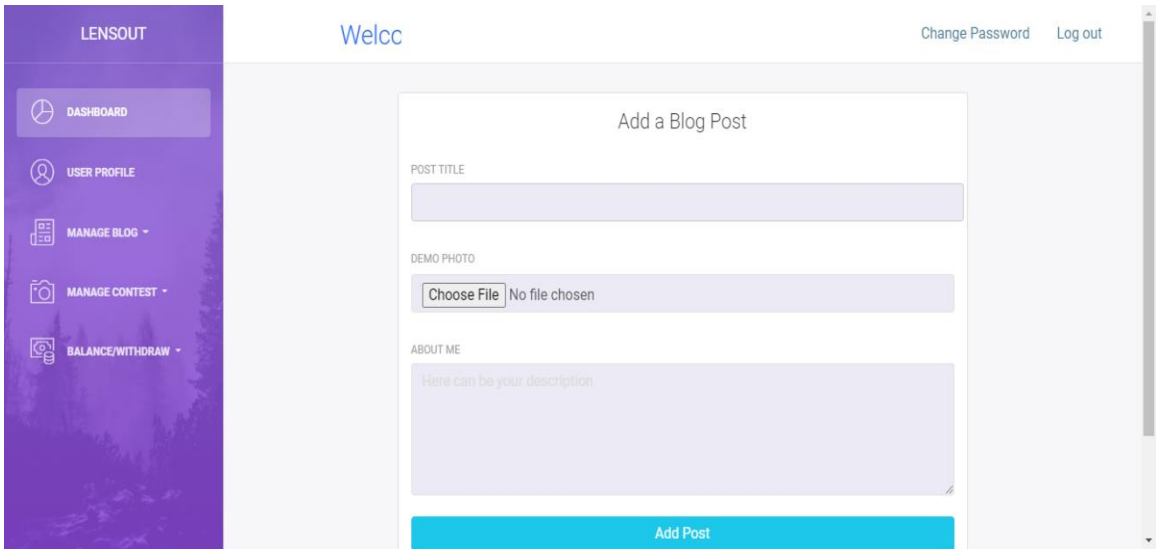

Figure 5.11: blog post page

We have also the blog mange page where user can easily manage their blog post to our website. They can view, update, delete their post from here.

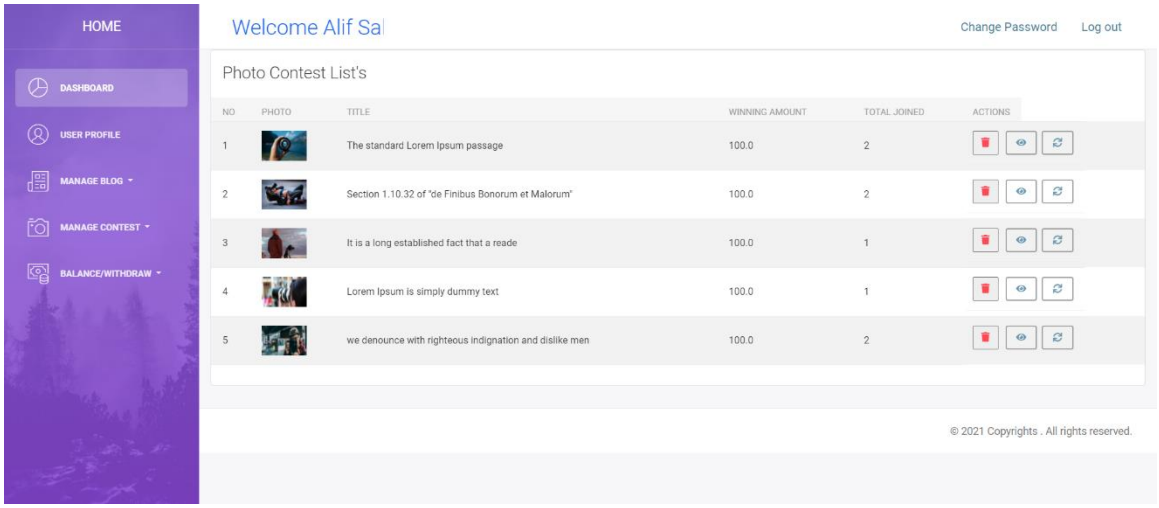

Figure 5.12: contest lists

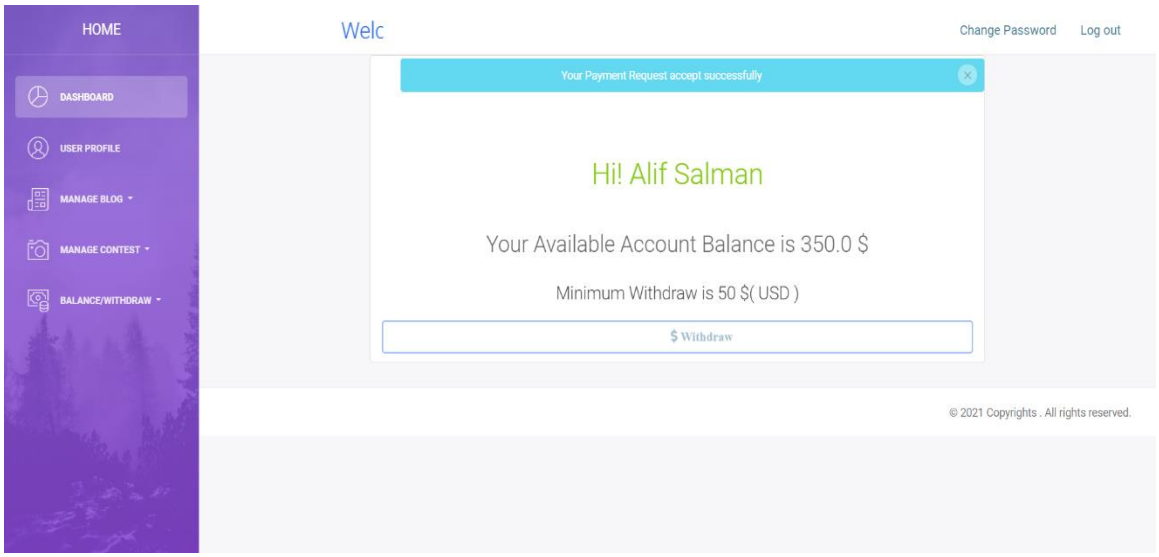

Figure 5.13: withdraw page

5.3 Implementation of Interactions

We execute the task that how the affiliations are begun, kept up, end, and what essentials anticipated. Dissect distinctive group environments in which affiliation may happen design of social associations. I used visual perspective online for use case graph, ER outline, and setting chart.

Interaction system is basically based on these tools:

1. Python- Python is regularly utilized as a help language for programming engineers, for assemble control and the executives, testing, and from numerous points of view.
2. SQL- SQL allows us access and control databases.
3. HTML- HTML (Hypertext Markup Language) is the code that is utilized to structure a page and its content.
4. CSS- Cascading Style Sheets (CSS) is a template language utilized for describing the introduction of a record written in a markup language.

5.4 Testing Implementation

For collaboration a framework based a few devices:

PYTHON is a broadly utilized, interpreted, object-arranged, and elevated level programming language with dynamic semantics, utilized for universally useful programming.

SQL is a space explicit language used in programming. It is intended for stream handling in a social data stream the executives' framework.

HTML is the standard markup language for records planned to be appeared in a web program.

CSS is the falling template showing site pages with various plans, tones and printed styles.

5.5 Test Results and Reports

The experiment describes a few sorts of clarification test information lastly got the outcome. For testing usage clarification, test data, lastly got genuine outcome. The test procedures or test substance are surrounded into a test execution plan that shows which systems utilize first which is a sort of superscript.

CHAPTER 6

IMPACT ON SOCIETY, ENVIRONMENT & SUSTAINABILITY

6.1 Impact on society

Our website will make some impact on our society. Because our website is a social website with some important things like event management, online library, job opportunity etc. Peoples had to visit different website for different options but we provide all of those options in only one website. So, it will be helpful and impactful for our society.

6.2 Impact on Environment

We all know that a lot of data processing power needed to store and process websites images and videos. All that data processing power means the need for a lot data centers. Websites carbon emissions is important for environment. We have limited viewers. So expect that we can control our carbon emissions and protect environment from being polluted.

6.3 Ethical Aspects:

We provide the best possible privacies and other securities for our website visitors. We know that participant privacy, confidentiality and anonymity were the most commonly reported ethical concerns. We have worked in our website with these thoughts in mind. We will deliver a quality solution to our visitors. We will ensure that our visitors are satisfied with the solution we provide.

6.4 Sustainability Plan:

We have our own sustainability plan. We design our website carefully so it serves its purpose indefinitely without a significant negative impact on our users. We worked hard to ensure our three pillars of sustainability like- economic viability, environment protection and social equality.

CHAPTER 7

DISCUSSION AND CONCLUSION

7.1 Discussion and Conclusion

This endeavor centers are to diminish the destruction of the client. Furthermore, over the long haul, in see, different individuals show their advantage to utilize the online base stage. We can make ourselves ace for improving various types of advancement. In the other view, we should repression the rating of my application and gather open remarks about it. Client needs should be our first consolation and made more updates in this application. Stacks of customers will maltreatment in the wake of making this site. It will save both time and money.

7.2 Scope for Further Developments

Later on, our thought can be utilized for colossal augmentation online interest structure. There are undoubtedly, almost no data about a client we can animate. Later on, we can add more different alternatives and work environments for clients. Later on we can add various records added alternatives. We can make approaching strategies for the clients who need to go further with this endeavor. There isn't any no matter how you look at it site for chiefs and clients. So later on, we can make solid the site of the chief and client.

APPENDIX A

Project Reflection:

In the term of convincing protection, three decisions are available Thesis, undertaking, and passage level position. We select to make an errand since we figured it would allow us an opportunity for making an application that is beneficial. It is our evaluation that each understudy should achieve some data nearby capacity in certified life and apply well. Each web engineer should utilize their experience for making a couple of errands. It will help us a ton, we didn't know before the quantity of measures has a spot for develop an application.

APENDIX B: Related Diagrams

To complete our introduced work from the beginning, we gather a model and base plan of our application. We several layouts and an authentic model to advise the most ideal approach to do our endeavor. From the use case layout, we consider our customer and system development in our guide. We execute our web base site using PYTHON Framework Django and SQL. We portray the performers in a common board Admin and various customers.

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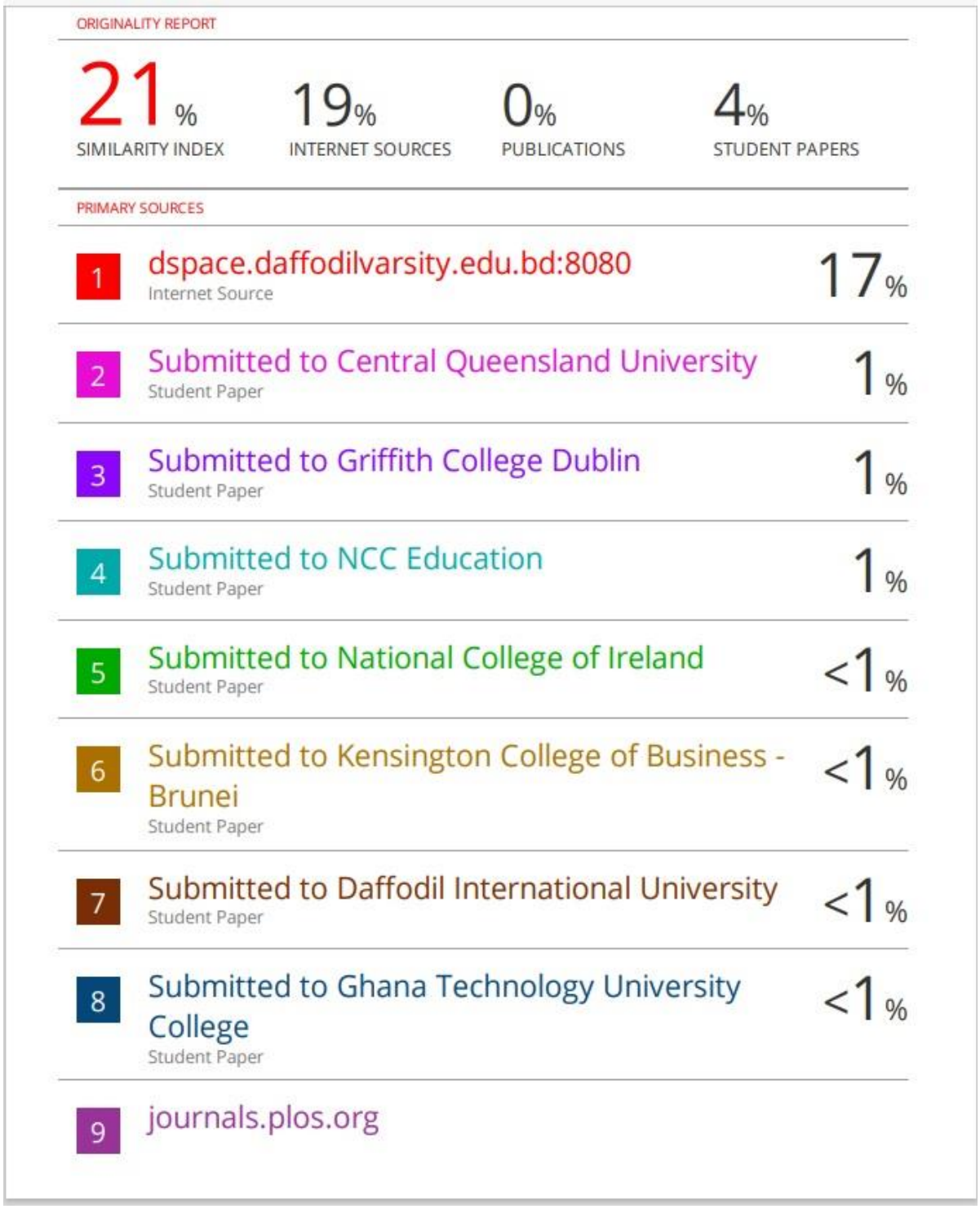

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