

**COMSATS University Islamabad,**



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**SOFTWARE REQUIREMENTS SPECIFICATION**

**(SRS DOCUMENT)**

**for**

**<Photography Market Place>**Version 1.0  
***By***

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**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Date** | **Reason for changes** | **Version** |
|  |  |  |  |
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# Application Evaluation History

|  |  |
| --- | --- |
| **Comments (by committee)**  \*include the ones given at scope time both in doc | **Presentation** |
|  |  |
|  |  |

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**Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

# Introduction

Photography websites (Epstein, 2018) are spread over the whole country. They provide the basic facilities and functionalities to photographers which includes their portfolio galleries and their e-stores to sell their products like photographs, Photoshop actions, presets and plugins. Freelancer websites are also providing a lot of freelance work for photographers and clients in foreign countries but are not doing well in our country. Similarly, online photography competitions are also a main trend nowadays. These systems lack multiple facilities for their users and are a waste of time and money for those who need all these facilities like, the photographers who need to build their own portfolio website have to build a new system from scratch on which they can display their portfolio gallery and sell their products. This process is very time consuming and waste of money for buying domains, hosting and paying to the developers. That’s the point where it is needed to build a website which include all these features and merging them into a single website so users do not have to waste their time by going onto different websites to perform their tasks or pay heavily for building their profiles. We are providing a single platform which performs almost every basic task related to photography which all the photographers and people interested in this field are looking for, so they can get all that facilities which they need under a single platform(Lee, 2018).

## Purpose

Many different websites have different services running separately not any website have all services and we are offering all services in one platform. This system will cover all remaining clauses, requirements, drawbacks, limitations and disadvantages. For example, if any user will sell their services and client or user will buy those services and clients can directly hire service providers for their events. User will upload their portfolio on their profiles and both user and client will review their profiles and can buy any service or can hire for custom service. By implementing this system will help our local service providers to do their work easily and freely at their homes without investing anything.

## Scope

This system targets specific audience and only related to photographers and photography. This system will provide opportunities to photographers and clients. Photographers can earn by selling their services and clients can hire photographers and buy their services. This system provides two types of accounts one is for freelancers (photographers who will sell services) and other for clients (who will buy those services). There will be two types of freelancer account one is free account and second is premium. In free account users will have limited range of proposals for custom services (clients will post custom services) and in paid account user can check other user’s proposal’s price and can send 20% extra proposals by paying some amount. This system will not allow to share any personal information to any user and all the transactions are being processed through this system. If any user violates any TOS (term of service) then the user will not be able to access that account again.

# Overall description

## Product perspective

We will learn a lot of skills during the development and testing of this project. Front end development with responsive designs, designing the relevant graphic works and will also learn about the selection, understanding and making the most suitable logo for our application. Programming languages are most important for the development of project so we will learn about the basic concepts of languages that will be used in the development of the project and after that we will maintain the system according to the market/field requirements. Data storage is the most important task now a days, so we will use SQL queries to get data from the backend users and store it in our database. It is very important to stay alert of user’s data to analyze and monetarize the working status of our clients and users so we will use database to complete such tasks.

## Operating environment

Most of our application runs on the windows platforms that handle both static and dynamic websites and by using these we will also prefer this website to run on the window operating system. Furthermore the system specification must be suitable for this website to run by any administrator and visit by users. For this website system need few spaces of RAMS, Hardware and CPU to support this type of website easily.

This website will work on every operating system came after window 7 and can be supported by any type and versions of browsers installed in your operating system.

## Design and implementation constraints

This application is targeting the local users and clients of the Pakistan so this system only accessible with in our country. And all the transections and work must be according to the profiles of the users, the most experienced the person is the more work he will get.

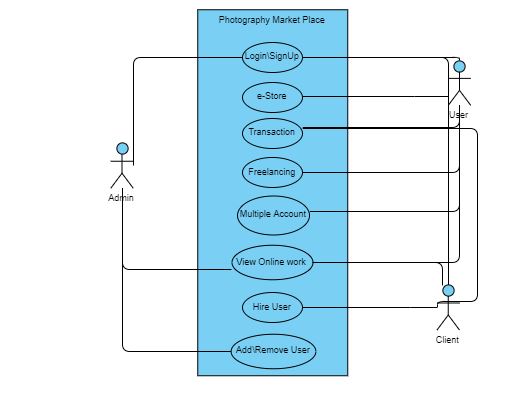
After completion of the tasks given from client to user the final transactions of the project must be deliver in PKR by using Jazz Cash and Easy Paisa directl to the user account. No 3rd party or transaction method is used in used in this project to deliver money to user.

For the getting of work by the clients the user must have their related work to upload on their profiles and make their profile advance and concise related to their field of work.

# Requirement identifying technique

## Use case diagram.



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## Use case description

The table below indicate a comprehensive use case template filled in with an example drawn from the PHOTOGRAPHY Market Place.

|  |  |
| --- | --- |
| **Use Case ID:** | PMP-1 |
| **Use Case Name:** | Photography Market Place |
| **Actors:** | Primary Actor :User, Client Secondary Actors: Admin |
| **Description:** | A user accesses the photography market place for Photography from the user panel to get facilitated from all services that we are providing them. They can buy filters and work of others photographers too.  A client will be responsible for viewing the work and hiring the best photographers from the main page and can also view the portfolio of user’s work.  An admin is responsible for all maintenance and overlook of the work done by users and clients |
| **Trigger:** | A User indicates that they want to upload their work and get work and money after any work completion about any service they are facilitating by Photography Market Place.  A Client indicates that he is responsible to view and hire the best photographers.  Admin is responsible for all maintenance and overlook of work. |
| **Preconditions:** | PRE-1. Both User and Client are logged into Photography Market Place to use it.  PRE-2. Both Client and User must be registered for proper usage of this  application and transactions of money into accounts to work done  from both sides.  PRE-3. Admin must have access to all accounts to check their work and duty. |
| **Post conditions:** | POST-1. Portfolio is uploaded in Photographer’s timeline with a status of  “Work Status.”  POST-2. Status of available photographers and their work is updated to reflect  Photographers in this application.  POST-3. Remaining work and photographers and their services list is updated. |
| **Normal Flow:** | User has to login for profile and uploading their works by their username and  password.  Client asks to users to show the relevant work and portfolio to get work from services or client can just buy his pictures.  Photography Market Place displays menu of available services and the daily user’s work of photography to client.  User can select one or more services for uploading the work.  User will see “Uploaded” message after uploading the portfolio. |
| **Alternative Flows:** | Upload multiple identical portfolio and work.  User can upload portfolio and work for more than one service.  User can go back to condition one for uploading more portfolio and work after  uploading one.  After Viewing or client purchasing all possible work and portfolio both user and  client can logout. |
| **Exceptions:** | Photography Market Place updates the Client about most of uploaded work that are uploaded by the users and client can hire or purchase user’s product and assign the task to photographers to check the proficiency of photographers by completing the task. |
| **Business Rules:** | BR-1 Delivery time of money transactions are 15 working days, beginning on each quarter hour.  BR-2 Deliveries of photos and filters must be completed within 30 minutes. |
| **Assumptions:** | Assume that more than 10 users will be hired by same client then  A record of employees on daily Basis then admin must take notice of not working the employees. |

# Specific Requirements

## Functional Requirements

This system will have following modules:

* **Module 1: User module**
* **Module 2: Client module**
* **Module 3: Admin Server**

All modules will be online web based application that can be on mob.

## USER MODULE

1. User will login using his own profile
2. Can check the work of clients and other user’s work.
3. Can see the contact details of the client
4. Can get money from client
5. Can purchase filters

## CLIENT MODULE

This module will be used by client only.

1. Login using his secret timeline.
2. Will check the work in the following categories under his area
   1. Completed work by photographers
   2. Under process work
   3. New portfolio
3. Will check the new portfolio uploaded by any new user and can hire the respective worker.
4. Once the photographer has completed the task, the client will mark that as completed and that work will go in the completed section.

## ADMIN MODULE

This module will be used by Admin only.

**Table 6 Show the functional requirement template**

|  |  |  |
| --- | --- | --- |
| **Identifier** |  | Admin |
|  |  |  |
| **Title** |  | Monitoring Work |
|  |  |  |
| **Requirement** |  |  |
|  |  |  |
|  |  |  |
|  |  | Admin must analysis the overall work by the clients and users to keep balance between both and can fire or block anyone if they are not following the rules of the website. |
|  |  |  |
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|  |  |  |
|  |  |  |
| **Source** |  | From both client and user side |
|  |  |  |
| **Rationale** |  | To provide and facilitate all the best product in local country without any bug. |
|  |  |  |
| **Business Rule** | **(if** | Users and clients must need their transactions method to get money. |
| **required)** |  |  |
|  |  |  |
| **Dependencies** |  | Both client and users |
|  |  |  |
| **Priority** |  | High |
|  |  |  |

# Non Functional Requirements

Non Functional Requirements are the requirements that specify criteria that can be used to judge the operation of system. Those constraints under which system will be operated is called non-functional requirements. For example, language run time environment, operating environment performance requirements, usability requirements etc. These are all those requirements whose are not belonged to functional requirements but they affect overall on the system. We can say some extra conditions requirements that are not included in the use cases. These are usually called non-functional requirements; some of these are given below.

# Quality Attributes

## Usability

The system will help in saving time and improving efficiency. This system will give the facility to help the user. Clear and high quality function will be carry out by the system. System will help the user to pack away from error by allowing the debugging facility

## Performance

Performance of the system is very good. It performs all the tasks very correctly and provide all the results quickly and accurate

## Security

* Users are required to log in to it, to gain access to different features of it.
* It will allow only authorized members to do administrative task
* It should have protection against virus.
* There should have login option for authorized member.
* The System must have a strong security to protect itself from any external threats
* System wouldn’t allow any unauthorized user to enter in the system; this action will maintain and improve the security level of the system.

## Portability:

The system should run on Windows 7 and above.

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