**Forum Web App**

**By**

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**Level-6**

**Final Project**

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# Project Detail

# Project Proposal

## Goals and Objectives

The main goal or aim of the project is to implement an online web application named “Forum Web App”. In today scenario, there are so many questions in our mind which we want to discuss with people but we can’t find appropriate answer sometime. So, bridging this gap, there is this web application which provide a portal where person can ask question as well as answer other questions. In this application there are two types of users- admin and registered user. Admin has different functionalities as compare to registered visitor. Admin can add, edit, delete and check details of questions and subjects available at database. Registered user can ask a question and give answer to other question.

## Project Scope

The scope of this project is to implement an app named “Forum Web App” with the help of which ask a question to community and give answer to community. The duration of the project is 20 working days which is equals to 4 weeks.

## Project Specifications

* Admin login/logout
* Add, edit, delete and check details of Subject as well as their questions.
* Admin can delete appropriate answer of some question.
* Admin can register new admins.
* Registered Visitor can login/logout.
* New Visitor can register.
* Registered Visitor capable to ask a question and deliver his/her answer to any question asked in web application.

## Target Audience

The target audience for this project is the people who want to save the time to search the right person for their question and want to share his/her wisdom to people at their ease. The age can go from 18 plus to 100 plus.

## Color Schemne

The project Colour structure is grey background. Text colour is black. Button color is red and blue.

## Project Testing

The testing file for usability testing is attached as [usability test.xlsx](usability%20test.xlsx)

# User Manual

The main purpose of the application Forum Web App provide a single place person can share their wisdom as well as take the advantage of others. In this application there are two types of users- admin and registered user or visitor. Admin has different functionalities as compare to registered user. Admin can add, edit, delete and check details of subject and their questions. Admin also capable to remove some appropriate question as well as their answer. Registered User is capable to ask a question and submit their answer for question.

## Summary

### System Configuration

This app will be useful to for distributing mobile information in presentable format.

### User Access Levels

Only registered users can access the features of this application.

* **Admin:** Admin has full access of the app can register new admins.
* **Registered Visitor:** New visitor can register and existing can login using their own credentials. They have limited access.

**Planning And Cost**

## Project Deliverables

The deliverables of the project are:

|  |  |
| --- | --- |
| Deliverable | Description |
| Final Report | This will be the final report of the project. |
| Coding | The executable code of the project will go under this. |
| Documentation | This portrays the documentation of the project. |
| Testing | All the test details will be covered in this part. |

## Resource Requirements

* Windows Operating System.
* Microsoft word for documentation.
* Asp.net MVC Framework
* 64-bit Processor and 4 GB or more RAM
* Identity framework- ASP

## Project Tasks and Milestones

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Tasks** | **Week-1** | **Week-2** | **Week-3** | **Week-4** |
| Brainstorming and analysis |  |  |  |  |
| Planning and initial meeting Project Proposal document. |  |  |  |  |
| Database Design and UI Design |  |  |  |  |
| Identity framework implementation |  |  |  |  |
| Coding for admin and reporter |  |  |  |  |
| Testing |  |  |  |  |
| Final Documentation and closing |  |  |  |  |

**Costs**

$24 per Hour

Database design and Ui design = 35 hours

Coding For admin and reporter = 25 hours

Testing = 20 hours

Documentation = 10 hours

Total hours 90

Total cost of project = $2160

## Project Assumptions

Following are the assumption made while implementing the project:

* One admin and registered visitor will be registered by default.
* Application will be free and open source.

# Project Report

#### Functional and Non-Functional

|  |  |
| --- | --- |
| Users | Functional |
| Admin | * Login/logout * Register new admins * Admin can add, edit, delete and check details of Subject and their questions posted by another user as well himself. * Admin is capable to remove appropriate answer given by some user. |
| User | * Can access all question asked in forum * Registered user capable to ask a question and submit his/her answer for any question asked in forum. * New customers can register for free. * Login using valid credentials |
|  | Non- Functional |
|  | * High speed * Fast Loading time * High performance and security * All browsers compatibility. |

**Client Review Form**

# Client Details

|  |  |
| --- | --- |
| Project Name | Forum Question/Answer |
| Client Name | Tania |
| Email Address | Tania.@forunQA.com |
| Phone | 0285646657 |
| Developer Name | Kamalpreet Singh |
| Expected Date | Within 3 weeks |

My developer’s name: **Kamalpreet Singh**

This form is intended to let you review the communication skills of your developer for this assignment. Your review will partly count towards their final mark. Do not take into account technical skills.

Grading scale

You must grade your developer for each item listed in the tables below. 1 being the lowest, 5 the highest.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **1** | **2** | **3** | **4** | **5** |
| Strongly disagree | Disagree | Ok | Agree | **Strongly agree** |

Review your developer

|  |  |  |
| --- | --- | --- |
| Item | Grade | Comment |
| Communicated clearly and effectively | A |  |
| Kept you informed of the progress | A+ | Yes |
| Met timelines | B | Yes |
| Responded promptly to problems | A | Yes |
| Met overall project objectives | A+ | Yes |
| Was open to new ideas and suggestions | A | Yes |
| Was easy to work with | B | Yes |

## Comments

Provide any extra comments on your developer’s communication skills and professionalism.

**Signed by Client**

|  |  |
| --- | --- |
| **Signature: Tania** | **Date: 17/11/2021** |
| **Name: Tania** | **Title: Final Project** |
| **Contact details (email/Tel):** **tania@forunQA.com** | |

## Detail Design

### Home Page

The main landing page of the application. On navigation bar options are- Home, Questions, Ask a Question, My Questions, Give Suggestions, Register and Login.

Graphical user interface, text, application, email

Description automatically generated

### Admin Subject View

With the help of this page, admin can view all subject available in forum

Graphical user interface

Description automatically generated

### Admin Question View

With the help of this page, admin can view all questions posted on forum.

Graphical user interface, website

Description automatically generated

### Admin Question Details View

This page provides a way view a single question details view with their answers.

Graphical user interface, text, application

Description automatically generated

### 

### User All Question View

With the help of this page user can view all questions posted on forum.

Graphical user interface, text, application, email

Description automatically generated

### User Question Details View

With the help of this page Visitor/Registered user can view a single question details view.

Graphical user interface, text, application, email

Description automatically generated

### User Ask a Question View

With the help of this page registered user can submit a question in forum.

Graphical user interface, text, application, email

Description automatically generated

### Visitor Suggestion View

With the help of this page, visitor share his/her suggestion to forum.

Graphical user interface, text, application, email

Description automatically generated

**Risk Management Process**

**Risk Identification**Diagram

Description automatically generated

The second step in creating a risk management plan lies in reviewing digital assets such as systems, networks, software, devices, vendors, and data. Cataloging these assets then allows the team members to identify risks to the assets.

## Risk Assessment

After identifying risks, the risk management team needs to assess the risk. Positive risks, such as early product delivery, can also lead to negative risks, such as a customer’s inability to meet a payment schedule. The organization needs to foresee risks in order to find a way to analyze their potential impact.

## Risk Analysis

For each risk identified and assessed, the team must look at the likelihood the event will occur and then estimate impacts to the business if it does occur. Multiplying likelihood by the estimated impact can give insight into a risk’s effect.

## Risk Tolerance

After assigning risk ratings, the team works to determine whether it will accept, transfer, mitigate, or refuse a risk.

## Risk Mitigation

For accepted risks, the team must create a set of risk mitigation strategies. For every risk that an organization accepts or transfers, it needs to define responses to issues that can occur. In information security, this means setting controls to protect data from cybercriminals.

**Software development life cycle**

***Diagram

Description automatically generated***

**Plan:**

In the planning phase, IT Project Manager plans the schedule and budget of the project. All the plans are documented in Project Plan document.

**Analysis:**

It’s about the detailing the requirements gathered from client. Each requirementis provided with more specifications. The mock up diagrams, use cases, context diagrams, activity diagrams are more commonly used to explain the client requirements.

**Design:**

The blueprint or programming logic of software is designed by a Technical Architects team. In the programming logic, the programs, steps in the program, interfaces between the programs, data flow, control flow are designed. The database structure is designed by the database team.

**Development:**

 The developers or programmers refer to the design of the software for programming or coding. The database development develops the database for the software. There are several programming languages like Java, C#, PHP, etc. that can be used to develop the software.

**Software Testing:**

The software is tested at different levels of the software development to identify the defects and verify the requirements of the client by developers, QA team and also vendors.

**Deployment:**

The thoroughly tested software is released to the client. The developers with assistance of system administrators get the software installed in the production environment. The installation manual has the steps for installation and configuration of the system for installation.