

**Formative Assignment 1**

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| **Module Name** | Application Implementation (Agile Project Management) |
| **Course Name** | Bachelor of Technology in Software Engineering |
| **Assignment Title** | Project Management Plan for implementing the community portal |

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| --- | --- |
| **Learner Name** |  |

**Learner declaration**

I certify that the work submitted for this assignment is my own and research sources are fully

acknowledged.

Student signature:

Date:

# Purpose of this assignment

To demonstrate your capabilities in the following areas:

* Preparing Requirement Specifications
* Developing Project Plan

# Submission Format

The submission is in the form of an individual written report with examples and illustrations.

This should be written in a concise, formal academic style using single spacing and font size 12.You are required to make use of headings, paragraphs, and subsections as appropriate, and all work must be supported with research and referenced using the Harvard referencing system. Please also provide a bibliography using the Harvard referencing system.

# Submission file

Submission File Name format: Cohort Code \_Full Name\_Assignment Number E.g.: AIM-1222A\_AliceTan\_A1.docx

# Scenario

You have been approached by ‘ABC Jobs Pte Ltd’ as a website developer to develop a community portal for Software Developers. For this module the scope is to Design, Develop, Implement & Document the data-driven website using the framework Spring boot and react.

The Scope of the Project is to design a Community Portal Similar to Linkedin.com. Users will be able to register in the portal using the Registration Page. Users of the portal can search for other users using various parameters such as First Name, Last Name, Company Name, City & Country. Users will be able to view the Public Profile of users after searching them. The portal allow users to login, request for forgotten password and Update their profile information.

The overview of the project is as below

There are 2 types of users in this Community portal. They are

1. Software Programmer
2. Administrator

Software Programmer should be able to perform following functions in the portal

1. Allow the programmers to register in the portal, show a thank you page & send a registration confirmation email.
2. Search & Find Other Programmers after login and view their profile.
3. Provide Login Page
4. Provide password retrieval functionality.
5. Update their Profile after logging in.

Following Functionality is part of Database Design & Will be enhanced as features as required in the Capstone Project, Depending on time availability.

1. Send Messages to Each Other on the Portal
2. Create Threads & Post Replies to a Thread
3. Post Job Opportunities in the Portal

Administrator should be able to perform following functions in the portal 1. Administer user data.

2. Send bulk email inviting programmers to register on the community portal

The portal consist of the following Key pages (For Reference)

1. Community Portal Home Page
2. Registration Page
3. Registration Confirmation Page
4. Update Profile Page
5. Search Users Page
6. List Search Results
7. Public Profile Page
8. Registration Confirmation Email
9. Login Page
10. Forget Password Page
11. Design the Forget Password Confirmation Page

Following Functionality is part of Database Design & Will be enhanced as features as required in the Capstone Project, Depending on time availability.

1. Send Messages
2. Read Messages
3. Post in Message Board
4. List Message Board
5. Read A Thread
6. Post Job Opportunities
7. List Job Opportunities & Responses

You will be required to:

* + Write a brief requirement specification for the Community Portal.
  + Prepare the detailed project plan to implement the Community Portal

# Evidence to exhibit

* Requirements Specification
* Project Plan

1. **Write a brief requirement specification for the Community Portal.**

1. Functional Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| No | Requirements | Web Page / Process | Field detail |
| 1 | Users can register their data on the register page | Registration | Logo, text fields, hyperlink, button, copyright |
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1. Non-Functional Requirements

|  |  |  |
| --- | --- | --- |
| No | Requirements | Purpose |
| 1 | Performance |  |
| 2 | Availability |  |
| 3 | Security aspects |  |
| 5 | Database backup |  |
|  |  |  |

1. Technical requirements

Hardware

Software

Database

* This requirement will consist of entity identification and entity relationships.

1. Prepare the detailed project plan to implement the Community Portal

Wireframe

Stories board

Persona

**Project Plan**

Gantt Table

Gantt Chart