# Project Report

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| Project Title | Plan, Schedule, Test Community Portal |
| Qualification Name (NICF) | NICF-Advanced Certificate in Infocomm Technology (Software and Applications) |
| Product Name | NICF-Capstone Project using Java |
| Module Name (NICF) | NICF-Capstone Project using Java |

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| --- | --- | --- | --- |
| Student name | | Assessor name | |
|  | |  | |
| Date issued | Completion date | | Submitted on |
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| Project title | Plan, Schedule, Test Community Portal | | |

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| Learner declaration |
| I certify that the work submitted for this assignment is my own and research sources are fully acknowledged.  Student signature: Date: |

Content

1. Project background
2. Project Objectives
3. Project Requirement Specifications
4. Task 1
5. Task 2
6. Task 3
7. Task 4
8. Task 5
9. Task 6

1. Project Background

Project Scenario from the project brief

1. Project Objective

Define the project scope to plan the testing, test script preparation, and execution.

2.1 Scope of Testing

In scope

Out scope

2.2 Preparation of test scripts

2.3 Test Execution

1. Project Requirements Specifications

Define the community portal functional features at high level.

Software Programmers

List all the use cases such as login, register, logout, update profile etc

Admin

List all the use cases such as login, log out, bulk email, etc

Test Methods

Chosen tests and benefits

1. Task 1

Task Statement: . Write a brief requirement specification for the Community Portal.

Solution: Similar to your M10 Task 1 + Testing Requirements

4.1 Functional requirements:-

System requirements

a. List of all modules to be developed：

Public Module - Home

Private Module - Administrator /User

b. All pages in each module with a brief description and their purpose.

|  |  |
| --- | --- |
| Web page | Description |
| Registration Page | To register as a member of the community portal, it is required to fill in personal information. |
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c. All pages in each module which are create, edit and view pages

|  |  |
| --- | --- |
| Landing Page | View Page |
|  |  |

d. Sitemap of Public & Private Site

Public

Private

4.2:- Non-Functional Requirements:-

1. Portability Requirements

2. Maintainability Requirements

3. Performance Requirements

4. Security Requirements

4.3 Technical Environment Requirements

Hardware Server and platform

Software

System Integration Requirements

4.4 Testing Requirements

1. Task 2

Task Statement: Briefly explain different types of testing, how they will help to create a better system

Solution: Presentation

Functional testing:-

<any three testing methods>

Non-Functional testing:-

<any three testing methods>

1. Task 3

Task Statement: Propose relevant tests suitable for the Project Scenario

Solution: Presentation

Functional testing:-

1. Unit testing
2. User Acceptance testing

Non-Functional testing:-

1. Cross browser testing
2. Usability testing
3. Task 4 <Same as AIM project

Task Statement:-

Write briefly on optimal scheduling times for different tests 2.

Prepare a schedule for execution of tests

Include it as part of Project Presentation.

1. Scheduling: Functional point method IU6 (Slide 13)

Weighting: - (depends on the complexity of implementing that webpage)

1-simple

2-medium

3-complex

Functional point:- (1 to 5) Depends on usages of each webpage in website

1-2- If rarely used

3-4- often used

5- Most often used

|  |  |  |  |
| --- | --- | --- | --- |
| **Web page** | **Weighting** | **Functional Points (FP)** | **Total** |
| <Name of your Web page>  Registration | <How complex the page is? Rate from 1-3, 1 being simple and 3 being very complex)  1 | <How often am I going to use this? How much this webpage is going to be used by any end user  Rate from 1-5, 1 being least often and 5 being most often>  3 | <multiply weighting and functional points>  3 |
| Search | 3 | 5 | 15 |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  | Total functional points | 3+15 = 18 |
|  |  | Estimated person hour per FP | 2.0 |
|  |  | Total hours needed | 18\*2 = hours 36 |
|  |  | Total days needed | <X divide by 8h per day>  X / 8 = **\_ days** |

**Test Schedule IU6 (Slide 15 and refer to class notes)**

|  |  |  |  |
| --- | --- | --- | --- |
| Test Schedule ID: | *TS0001* |  |  |
| Product ID / Name: | *ABC Community portal website* |  |  |
| Product Version or Build: | *1.0* |  |  |
| Present Owner: | *ABC Job Pvt LTD* |  |  |
| Created On: | *12 Apr 2022* |  |  |
| Review On: | *25 Apr 2022* |  |  |
| Review By: | *Jam* | *QA Manager* |  |
| Review Comments: | *Good* |  |  |
| Current Version: | 1. (if not change)    1. (if you change anything to your website after the comments) |  |  |
| Change Details: | *If your version is 1.0, put “NIL”*  *If you version is not 1.0, insert the change you made in your power BI report <Nil>* |  |  |
| Current Status: | Approved |  |  |
| Signing Off Authority: | Archana Sakpal  Siti | QA manager  PM | 25th Apr 2022 |

**Task 5: Phase Test Plan**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Activity | Start | End | Person Days | Resource |
| Identifying requirements | 29-7-2023 | 30-7-2023 | 2 | Archana |
|  |  |  |  |  |

Task Statement: Develop a Phase Test Plan for testing the application.

Solution

Analyze the product to define the features to be tested and not

Design Strategy – Plan the test, Define suspension, and resumption and exit criteria

Execute – Test Cases, Test scripts

Reporting – Test Metrics – IU1 Slide 35 & 36

Goal

The goal of this test is to identify and measure the problems / issue in the web application.

Objectives

Validate and verify system functionality works according to requirements.

**Features not to be tested**

1. Login
2. Logout
3. Registration
4. List others

**Features Be Tested**

1. Post Job
2. Apply Job
3. Add work experience
4. Compare with task 1 features and list not above in the testing list

**Approach**

1. Unit Testing
2. Cross Browser Testing
3. UAT

**Suspension Criteria**

Component testing will be suspended under the following conditions:

1. Critical errors found preventing test completion
2. Change

Resumption Criteria

Component testing will resume when the following criteria are met:

1. All issues in suspension criteria have been resolved or mitigated
2. New software build has been redeployed
3. New build with fixed Critical

Exit Criteria (Test Completeness)

Component testing can be considered complete when the following conditions have been met:

1. All High and Medium priority requirements have been tested without Critical or Medium severity defects.

**Test Metrics**

Fill as per your plan

**Test Deliverables**

1. Phase Test plan
2. Test schedules
3. Test scripts
4. Test Results
5. Bugs write-up
6. Task 6

Task Statement:

Solution Presentation