[Project Name -Deepthought Education]

**Test Approach**

**Revision History**

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| --- | --- | --- | --- |
| Date | Version | Author | Description |
| 04-09-23 | 1.1 |  | Login Form |
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# Scope

It defines parameters like

* Who will review the document?
* Who will approve this document?
* Testing activities carried out with timelines

# Test Approach

It defines

* Process of testing –

1. Assess Development Plan and Status
2. **Develop the Test Plan**
3. **Test Software Requirements**
4. **Test Software Design**
5. **Build Phase Testing**
6. **Execute and Record Result**
7. **Acceptance Test**
8. **Report Test Results**
9. **The Software Installation**
10. **Test Software Changes**
11. **Evaluate Test Effectiveness**

* Testing levels-

1. **Unit testing**
2. **Integration testing**
3. **System testing**
4. **Acceptance testing**

* Roles and responsibilities of each team member
* Types of Testing ( Load testing, Security testing, Performance testing etc.)
* Testing approach & automation tool if applicable- Node js & Test café , NPM
* Adding new defects, re-testing, Defect triage, Regression Testing and test sign off –

Defect found in Login form – redirect to dashboard but unable to open the page of dashboard – 404 page not found

# Test Environment

* Define number of requirement and setup required for each environment
* Define backup of test data and restore strategy

# Testing Tools

* Automation and Test management tools needed for test execution –

<https://testcafe.io/> , https://nodejs.org/en

* Figure out number of open-source as well as commercial tools required, and determine how many users are supported on it and plan accordingly

# Release Control

* Release management plan with appropriate version history that will make sure test execution for all modification in that release

# Risk Analysis

* List all risks that you can estimate-

1. Use of new hardware.
2. Use of new technology.
3. Use of new automation tool.
4. The sequence of code.
5. Availability of test resources for the application.

# Review and Approvals

* All these activities are reviewed and sign off by the business team, project management, development team, etc.
* Summary of review changes should be traced at the beginning of the document along with approved date, name, and comment

Test case-

1. Verify that the user is unable to login form entering valid credetinals
2. Verify that user is log into dashboard page
3. Verify that the user able to see the error msesssage when entering invalid credielnls
4. Verify that the user is able to redirect page to dashboard screeen