Ask – n - Know

Software Test Plan and Test Case Design

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| Ask-n-Know  Software Test Plan and Test Case Design Report |

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# Test Planning

**Test Plan Identifier:** TP\_001

## Introduction

Test plan, a dynamic documentation that describe the testing scope and activities of a software. This document also includes the approach, resources and schedule of intended test activities. It identifies amongst others test items, the features to be tested, the testing tasks, who will do each task, degree of tester independence, the test environment, the test design techniques and entry and exit criteria to be used, and the rationale for their choice, and any risks requiring contingency planning. It is a record of the test planning process.

## Project Summary

Ask-n-Know is a platform of gaining and shearing knowledge. It is a website where questions are asked, answered and voted. For asking question user should be signed up in the system providing her/his username, email and password and logged in providing the username and password that was given during being signed up. A registered user can ask, answer and vote the question as well as the answer for the question. Register user can also down vote for question and answer. General users can view the question list and question. They also can search question based on question title and category. Sorting the question list according to most voted, highest answered, unanswered, date is also allowed for the general user. All the facilities that the general users gets the registered users also get the same.

## Test Item to be tested

**Name:** Ask-n-Know

**Type:** Web Application

**Version:** 1.0

## Features to be tested

* Sign up
* Logging in to the System
* Logging out from the System
* Viewing Question List
* Searching Questions
* Sorting Question List
* Asking Question
* Viewing Questions
* Answering Question
* Voting Questions
* Voting Answers
* Viewing User Profile

## Features not to be tested

* Account Recovery: In requirements there was no such requirements.
* Email Verification was not the part of this testing plan

## Approach

As Ask-n-Know is a website, XAMPP server will be used for testing it in localhost. To test the system properly current version of XAMPP 7.0 which supports PHP 7.0 is required for Windows operating system. Black Box testing will be used for testing each features those are divided into modules based on the functionalities. Robustness Testing will be used for preparing the test cases. The specifications that were acquired from the SRS will be used to specify test cases’ input.

## Item Pass/Fail Criteria

As it was not enough time for developing the Ask-n-Know, it will be considered that if 85% of the prepared tested cases pass, then we can consider the project as a whole to pass. But Test cases of Asking Questions and Answering Questions must be passed otherwise, it will never be acceptable.

## Suspension Criteria and Resumption Requirements

**Suspension Criteria**

* Asking Questions
* Answering Questions
* Voting Question

For Asking, Answering and Voting question the users have to be logged in to the system. So if the sign up and login functionality are not implemented the Asking, Answering and voting question functionality cannot be tested.

**Resumption Requirements**

* Sign Up
* Log In to the System

If Sign up and Log in functionality are implemented every other functionality can be tested then.

## Test Deliverables

Our deliverable documents are:

**Test plan:** We have attached following points with the test plan:

* Test Plan Identifier
* Introduction
* Project Summary
* Test items to be tested
* Features to be tested
* Features not to be tested
* Approach
* Item Pass/Fail Criteria
* Suspension Criteria and Resumption Requirements
* Test Deliverables
* Testing Tasks
* Environmental Needs
* Responsibilities
* Staffing and Training Needs
* Scheduling
* Risks and Contingencies
* Testing Costs
* Approval

**Test case specifications:** We have attached 34 test cases within our project scope. A test case specification has:

* Test case Specification Identifier
* Purpose
* Special Environmental
* Special Procedural Requirements
* Inter-case Dependencies
* Input Specifications
* Test Procedure
* Output Specifications

**Test report:** We have attach the report of every test case after its specification:

* Input
* Expected output
* Actual output
* Anomalies Detected
* Status

## Testing Tasks

**Preparing and setting up system environment**: Before executing the test cases, there requires to prepare the server which will be a local XAMPP server with an associated database.

**Tasks for test case**: The features will be divided into five testing modules. Those are:

* **Sign up:** To check whether the user can sign up to the system providing username, email and password.
* **Logging in to the System:** To check the authentication procedure works for logging in to the system using username and password.
* **Logging out from the System:** To check that the user can log out from the system.
* **Viewing Question List:** To test the viewing system of the question.
* **Searching Questions:** To test question searching system with question title and category.
* **Sorting Question List:** To test question sorting procedure.
* **Asking Question:** To check if the general user as well as the registered user can ask question properly.
* **Viewing Questions:** To check that all kinds of user can view all answer given to a question with the username of the provider of the answer.
* **Answering Question:** To test whether a registered user can answer any submitted question or not.
* **Voting Questions:** To check that only the registered user can up vote and down vote for questions properly.
* **Voting Answers:** To check that only the registered user can up vote and down vote for answer properly.
* **Viewing User Profile:** To check the user as well as other can view user profile properly or not.

## Environmental Needs

* **Operating System**: Windows 10, 8, 7
* **Web Server:** XAMPP 7.0
* **Testing Tools:** Selenium
* **IDE:** Eclipse with jdk-8.0

## Responsibilities

Our team consists of three members. So, all of us have high responsibilities in this project.

|  |  |
| --- | --- |
| **Member** | **Responsibilities** |
| Abdullah Al Jubayer | Preparing test cases for Sign up  Preparing test cases for Logging in to the System  Preparing test cases for Logging out from the System  Preparing test cases for Viewing Question List  Preparing test cases for Searching Questions |
| Atiq Ahammed | Providing environmental need  Executing test case  Preparing test plan  Preparing test cases for Sorting Question List  Preparing test cases for Asking Question |
| S. M. Khayrul Islam | Preparing test cases for Viewing Questions  Preparing test cases for Answering Question  Preparing test cases for Voting Questions  Preparing test cases for Voting Answers  Preparing test cases for Viewing User Profile |

## Staffing and Training Needs

* Ability to install XAMPP and experience to host website using XAMPP
* Basic knowledge about website and web application
* Experience of using Selenium and basic programming knowledge of using selenium

## Scheduling

Time estimation to perform testing task:

|  |  |
| --- | --- |
| ****Test Task**** | ****Estimated time (day)**** |
| Defining team responsibilities | 1 |
| Defining test plan | 3 |
| Preparing test case | 5 |
| Executing test case | 1 |
| Preparing report | 2 |

## Risks and Contingencies

For some risks of this project there are some changes and consequences in the plan:

* **Time shortage:** There was lack of time to prepare the test plan and test case specifications.
* **Test case amount:** The number of tests performed has been reduced.
* **Defect amount:** The number of acceptable defects has been increased for less test case and limited scope.

## Testing cost

Cost of planning and designing the tests of this project is very small since it is a small academic project.

* **Cost to support the environment:** Since it is a web-based software, we need internet connection to support the environment. So, the cost to maintain internet connection in order to continue the testing.
* **Cost of executing the tests:** We did not need any executing test cost.
* **Cost of recording and analyzing the test results**: In the testing procedure, we have prepared a test case specification and also a test plan for this PGDIT Automation system. So, it requires a good amount of cost for preparing the document and delivering the document.

## Approval

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**Nadia Nahar**

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# Test Case Designing

## Test Cases Design

There are five subsystem of “Ask-n-Know” system. All test cases are designed with the each functional module. The functional module of “Ask-n-Know” are:

|  |  |  |
| --- | --- | --- |
| Serial Number | Functionality | Test Case ID |
| 1 | Sign up | T0001, T0002, T0003, T0004, T0005, T0006, T0007 |
| 2 | Logging in to the System | T0009, T0009 |
| 3 | Logging out from the System | T0010 |
| 4 | Viewing Question List | T0011, T0012, T0013 |
| 5 | Searching Questions | T0014, T0015 |
| 6 | Sorting Question List | T0016, T0017 |
| 7 | Asking Question | T0018, T0019, T0020, T0021, T0022 |
| 8 | Viewing Questions | T0023, T0024 |
| 9 | Answering Questions | T0025, T0026, T0027 |
| 10 | Voting Questions | T0028, T0029 |
| 11 | Voting Answers | T0030, T0031 |
| 12 | Viewing User Profile | T0032, T0033 |

## Test Case Specification and Test Report

### Test Specification of Sign Up-1

**Test Case Specification Identifier:** T0001

**Purpose:** To check the functionality of ‘Sign Up’

**Special Environmental:** Internet should be in working condition. Database software through which the data will be stored should be in running condition.

**Special Procedural Requirements:** User shouldn’t be logged in to the system

**Inter-case Dependencies:** nil

**Input Specifications**

1. Username = at least 1 character from ‘a-z’ or ‘A-Z’, digit and ‘\_’ allowed.
2. Email = [a-z0-9.\_%+-]+@[a-z0-9.-]+\.[a-z]{2,3}$
3. Password = at least 5 characters and at most 50 characters

**Test Procedure**

1. Click on ‘Sign up’ button on the navigation bar
2. Insert inputs
3. Click on ‘Sign up button’ on the form

**Output Specifications**

‘Sign up successful’ message will be shown and move to log in page.

### Test Report of Sign Up-1

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ****Testing input**** | ****Expected output**** | ****Actual input**** | ****Anomalies Detected**** | ****Status**** |
| Username=atiq  Email=atiq@gmail.com  Password=12345 | ‘Sign up successful’ message | ‘Sign up successful’ message | nil | Passed |

### Test Specification of Sign Up-2

**Test Case Specification Identifier:** T0002

**Purpose:** To check the functionality of ‘Sign Up’

**Special Environmental:** Internet should be in working condition. Database software through which the data will be stored should be in running condition.

**Special Procedural Requirements:** User shouldn’t be logged in to the system

**Inter-case Dependencies:** nil

**Input Specifications**

1. Username = no alphabet, using other characters
2. Email = [a-z0-9.\_%+-]+@[a-z0-9.-]+\.[a-z]{2,3}$
3. Password = at least 5 characters and at most 50 characters

**Test Procedure**

1. Click on ‘Sign up’ button on the navigation bar
2. Insert inputs
3. Click on ‘Sign up button’ on the form

**Output Specifications**

”Please provide a valid username with alphabet, numbers and ‘\_’” message will be shown and stay on the same page

### Test Report of Sign Up-2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
| Username=11111  Email=ahammed@gmail.com  Password=12345 | ‘”Please provide a valid username with alphabet, numbers and ‘\_’” message | ‘Sign up successful’ message | Sign up completed without any alphabet in user name | Failed |

### Test Specification of Sign Up-3

**Test Case Specification Identifier:** T0003

**Purpose:** To check the functionality of ‘Sign Up’

**Special Environmental:** Internet should be in working condition. Database software through which the data will be stored should be in running condition.

**Special Procedural Requirements:** User shouldn’t be logged in to the system

**Inter-case Dependencies:** nil

**Input Specifications**

1. Username = at least 1 character from ‘a-z’ or ‘A-Z’, digit and ‘\_’ allowed.
2. Email != [a-z0-9.\_%+-]+@[a-z0-9.-]+\.[a-z]{2,3}$
3. Password = at least 5 characters and at most 50 characters

**Test Procedure**

1. Click on ‘Sign up’ button on the navigation bar
2. Insert inputs
3. Click on ‘Sign up button’ on the form

**Output Specifications**

‘Please Provide Email Correctly’ message will be shown and stay on the same page.

### Test Report of Sign Up-3

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
| Username=shamim  Email=abc@gmail  Password=12345 | ‘Please Provide Email Correctly’ message | ‘‘Please Provide Email Correctly’ message | nil | Passed |

### Test Specification of Sign Up-4

**Test Case Specification Identifier:** T0004

**Purpose:** To check the functionality of ‘Sign Up’

**Special Environmental:** Internet should be in working condition. Database software through which the data will be stored should be in running condition.

**Special Procedural Requirements:** User shouldn’t be logged in to the system

**Inter-case Dependencies:** nil

**Input Specifications**

1. Username = that was previously used
2. Email = [a-z0-9.\_%+-]+@[a-z0-9.-]+\.[a-z]{2,3}$
3. Password = at least 5 characters and at most 50 characters

**Test Procedure**

1. Click on ‘Sign up’ button on the navigation bar
2. Insert inputs
3. Click on ‘Sign up button’ on the form

**Output Specifications**

‘This username was previously used’ message will be shown and stay on the same page.

### Test Report of Sign Up-4

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
| Username=atiq  Email=abc@gmail  Password=12345 | ‘this username was previously used’ message | ‘this username was previously used’ message | nil | Passed |

### Test Specification of Sign Up-5

**Test Case Specification Identifier:** T0005

**Purpose:** To check the functionality of ‘Sign Up’

**Special Environmental:** Internet should be in working condition. Database software through which the data will be stored should be in running condition.

**Special Procedural Requirements:** User shouldn’t be logged in to the system

**Inter-case Dependencies:** nil

**Input Specifications**

1. Username = at least 1 character from ‘a-z’ or ‘A-Z’, digit and ‘\_’ allowed.
2. Email = that was previously used
3. Password = at least 5 characters and at most 50 characters

**Test Procedure**

1. Click on ‘Sign up’ button on the navigation bar
2. Insert inputs
3. Click on ‘Sign up button’ on the form

**Output Specifications**

‘email previously taken’ message will be shown and stay on the same page.

### Test Report of Sign Up-5

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
| Username=atiqahammed  Email=atiq@gmail  Password=12345 | ‘email previously taken’ message | ‘email previously taken’ message | nil | Passed |

### Test Specification of Sign Up-6

**Test Case Specification Identifier:** T0006

**Purpose:** To check the functionality of ‘Sign Up’

**Special Environmental:** Internet should be in working condition. Database software through which the data will be stored should be in running condition.

**Special Procedural Requirements:** User shouldn’t be logged in to the system

**Inter-case Dependencies:** nil

**Input Specifications**

1. Username = at least 1 character from ‘a-z’ or ‘A-Z’, digit and ‘\_’ allowed.
2. Email = [a-z0-9.\_%+-]+@[a-z0-9.-]+\.[a-z]{2,3}$
3. Password = less than 5 characters

**Test Procedure**

1. Click on ‘Sign up’ button on the navigation bar
2. Insert inputs
3. Click on ‘Sign up button’ on the form

**Output Specifications**

‘Password is too short’ message will be shown and stay on the same page.

### Test Report of Sign Up-6

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
| Username=atiqahammed  Email=atiq@gmail  Password=12 | ‘password is too short’ message | ‘password is too short’ message | nil | Passed |

### Test Specification of Sign Up-7

**Test Case Specification Identifier:** T0007

**Purpose:** To check the functionality of ‘Sign Up’

**Special Environmental:** Internet should be in working condition. Database software through which the data will be stored should be in running condition.

**Special Procedural Requirements:** User shouldn’t be logged in to the system

**Inter-case Dependencies:** nil

**Input Specifications**

1. Username = at least 1 character from ‘a-z’ or ‘A-Z’, digit and ‘\_’ allowed.
2. Email = [a-z0-9.\_%+-]+@[a-z0-9.-]+\.[a-z]{2,3}$
3. Password = more than 50 characters

**Test Procedure**

1. Click on ‘Sign up’ button on the navigation bar
2. Insert inputs
3. Click on ‘Sign up button’ on the form

**Output Specifications**

‘password is too long’ message will be shown and stay on the same page.

### Test Report of Sign Up-7

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
| Username=atiqahammed  Email=atiq@gmail  Password=more than 50 characters | ‘password is too long’ message | ‘Sign up successfully’ message | Password taken even it is more than 50 characters | Failed |

### Test Specification of Log In-1

**Test Case Specification Identifier:** T0008

**Purpose:** To check the functionality of ‘Log in’

**Special Environmental:** Internet should be in working condition. Database software through which the data will be retrieve for matching with inputs should be in running condition.

**Special Procedural Requirements:** User shouldn’t be logged in to the system

**Inter-case Dependencies:** nil

**Input Specifications**

1. Username = that match with a registered user’s password
2. Password = password of the given user’s account

**Test Procedure**

1. Click on ‘Log in’ button on the navigation bar
2. Insert inputs
3. Click on ‘log in’ button on the form

**Output Specifications**

Move to Asknknow ‘Question list page’

### Test Report of Log In-1

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
| Username=atiq  Password=asdfghjkl | Move to Asknknow ‘Question list page’ | ‘Move to Asknknow ‘Question list page’ | nil | Passed |

### Test Specification of Log In-2

**Test Case Specification Identifier:** T0009

**Purpose:** To check the functionality of ‘Log in’

**Special Environmental:** Internet should be in working condition. Database software through which the data will be retrieve for matching with inputs should be in running condition.

**Special Procedural Requirements:** User shouldn’t be logged in to the system

**Inter-case Dependencies:** nil

**Input Specifications:** Username and/or password not matched with a registered account

**Test Procedure**

1. Click on ‘Log in’ button on the navigation bar
2. Insert inputs
3. Click on ‘log in’ button on the form

**Output Specifications**

‘wrong username or password’ message will be shown and stay on the same page.

### Test Report of Log In-2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
| Username=atiq  Password=okliuj | ‘wrong username or password’ message | ‘wrong username or password’ message | nil | Passed |

### Test Specification of Log Out-1

**Test Case Specification Identifier:** T0010

**Purpose:** To check the functionality of ‘Log out’

**Special Environmental:** nil

**Special Procedural Requirements:** User should be logged in to the system

**Inter-case Dependencies:** T007

**Input Specifications:** nil

**Test Procedure**

1. Click on ‘Log out’ button on the navigation bar

**Output Specifications**

‘Logged outed’ message will be shown and move to the log in page.

### Test Report of Log Out-1

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
| nil | ‘Logged outed’ message will be shown and move to the log in page. | ‘Logged outed’ message will be shown but not moved to the login page | Not moved to the log in page | Failed |

### Test Specification of Viewing Question List-1

**Test Case Specification Identifier:** T0011

**Purpose:** To check the functionality of ‘Viewing question list’

**Special Environmental:** Internet should be in working condition. Database software through which the data will be retrieve should be in running condition.

**Special Procedural Requirements:** there should be next page of question list.

**Inter-case Dependencies:** nil

**Input Specifications:** nil

**Test Procedure**

1. Click on ‘Question list’ button on the navigation bar

**Output Specifications**

‘Question List’ page will be viewed.

### Test Report of Viewing Question List-1

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
| nil | ‘Question List’ page will be viewed. | ‘Question List’ page will be viewed. | nil | Passed |

### Test Specification of Viewing Question List-2

**Test Case Specification Identifier:** T0012

**Purpose:** To check the functionality of ‘Viewing question list’

**Special Environmental:** Internet should be in working condition. Database software through which the data will be retrieve should be in running condition.

**Special Procedural Requirements:** nil

**Inter-case Dependencies:** nil

**Input Specifications:** nil

**Test Procedure**

1. Click on ‘next’ button on the ‘Question List’ page

**Output Specifications**

‘Question List’ page will be viewed with the question that was not in the previous page.

### Test Report of Viewing Question List-2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
| nil | ‘Question List’ page will be viewed with the question that was not in the previous page. | ‘Question List’ page will be viewed with the question that was not in the previous page. | nil | Passed |

Test Case Specification Identifier: T0012

Purpose: To check the functionality of ‘Viewing question list’ of previous page

Special Environmental: Internet should be in working condition. Database software through which the data will be retrieve should be in running condition.

Special Procedural Requirements: the should be previous page

Inter-case Dependencies: nil

Input Specifications: nil

Test Procedure

Click on ‘previous’ button on the ‘Question List’ page

Output Specifications

Previous ‘question list’ page will be viewed.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
| nil | Previous ‘question list’ page will be viewed. | Previous ‘question list’ page will be viewed. | nil | Passed |

Test Case Specification Identifier: T0013

Purpose: To check the functionality of ‘Searching Question’

Special Environmental: Internet should be in working condition. Database software through which the data will be retrieve should be in running condition.

Special Procedural Requirements:

Inter-case Dependencies: nil

Input Specifications:

Type question title or key about question

Test Procedure

Click on ‘Question List’ or ‘Category’ button on navigation bar

Type input on the search box

Press enter or click on the search icon

Output Specifications

Question list will be viewed on specific search.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
| Java | Java related question list will be viewed. | Java related question list was viewed. | nil | Passed |

Test Case Specification Identifier: T0014

Purpose: To check the functionality of ‘Searching Question’

Special Environmental: Internet should be in working condition. Database software through which the data will be retrieve should be in running condition.

Special Procedural Requirements:

Inter-case Dependencies: nil

Input Specifications:

Type question category

Test Procedure

Click on ‘Question List’ or ‘Category’ button on navigation bar

Type input on the search box

Press enter or click on the search icon

Output Specifications

Question list will be viewed on specific search.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
| Yoga | All the question under yoga category will be viewed in question list | All the question under yoga category was viewed in question list | nil | Passed |

Test Case Specification Identifier: T0015

Purpose: To check the functionality of ‘Sorting Question List’

Special Environmental: Internet should be in working condition. Database software through which the data will be retrieve should be in running condition.

Special Procedural Requirements:

Inter-case Dependencies: nil

Input Specifications:

Test Procedure

Hover on Sort button on ‘Question List’ page.

Output Specifications

List of text will be viewed on which basis the question list will be sorted. In the list there should be most voted, highest answered, unanswered, oldest, newest, title.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
|  | List of text will be viewed on which basis the question list will be sorted. In the list there should be most voted, highest answered, unanswered, oldest, newest, title. | Only ‘newest’, ‘oldest’ and ‘title’ item are viewed as the sorting type | All the item are not viewed | Failed |

Test Case Specification Identifier: T0016

Purpose: To check the functionality of ‘Sorting Question List’

Special Environmental: Internet should be in working condition. Database software through which the data will be retrieve should be in running condition.

Special Procedural Requirements: Have to hover on the sort button on question list page.

Inter-case Dependencies: T0015

Input Specifications:

Test Procedure

Click on a sorting item that was viewed on hovering the ‘sort’ button on question list.

Output Specifications

A sorted list of question will be viewed based on selected sorting item.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
|  | A sorted list of question will be viewed based on selected sorting item. | A sorted list of question will be viewed based on selected sorting item. | nil | Passed |

Test Case Specification Identifier: T0017

Purpose: To check the functionality of ‘Asking Question’. For going ‘Question page’.

Special Environmental: Internet should be in working condition. Database software through which the data will be stored should be in running condition.

Special Procedural Requirements: User has be to be logged in to the system

Inter-case Dependencies: T0007 for successfully logged in to the system

Input Specifications:

Test Procedure

Click on the “Ask” button on the navigation bar.

Output Specifications

The ‘Ask question page’ will be viewed.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
|  | The ‘Ask question page’ will be viewed. | The ‘Ask question page’ was viewed. | nil | Passed |

Test Case Specification Identifier: T0018

Purpose: To check the functionality of ‘Asking Question’.

Special Environmental: Internet should be in working condition. Database software through which the data will be stored should be in running condition.

Special Procedural Requirements: User should have been on ‘Ask Question’ Page.

Inter-case Dependencies: T0017 for being on ‘Ask Question’ page

Input Specifications:

Question title

Description

Question Category

Test Procedure

Insert the required input

Click on the ‘post’ button on the ‘Ask Question’ page.

Output Specifications

Data will be stored and viewed on the top of ‘Question List’ page.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
| Title: How to ask a question?  Description: I also do not know how to write description.  Category: Question | Data will be stored and viewed on the top of ‘Question List’ page. | Data was stored and viewed on the top of ‘Question List’ page. | nil | Passed |

Test Case Specification Identifier: T0019

Purpose: To check the functionality of ‘Asking Question’ without description.

Special Environmental: Internet should be in working condition. Database software through which the data will be stored should be in running condition.

Special Procedural Requirements: User should have been on ‘Ask Question’ Page.

Inter-case Dependencies: T0017 for being on ‘Ask Question’ page

Input Specifications:

Question title

No description will be added

Question Category

Test Procedure

Insert the required input

Click on the ‘post’ button on the ‘Ask Question’ page.

Output Specifications

Data will be stored and viewed on the top of ‘Question List’ page.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
| Title: How to ask a question?  Description:  Category: Question | Data will be stored and viewed on the top of ‘Question List’ page. | Data was stored and viewed on the top of ‘Question List’ page. | nil | Passed |

Test Case Specification Identifier: T0020

Purpose: To check the functionality of ‘Asking Question’ without title.

Special Environmental: Internet should be in working condition. Database software through which the data will be stored should be in running condition.

Special Procedural Requirements: User should have been on ‘Ask Question’ Page.

Inter-case Dependencies: T0017 for being on ‘Ask Question’ page

Input Specifications:

No question title

Description

Question Category

Test Procedure

Insert the required input

Click on the ‘post’ button on the ‘Ask Question’ page.

Output Specifications

‘Question Title should be added’ error message should be viewed.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
| Title:  Description: I also do not know how to write description.  Category: Question | ‘Question Title should be added’ error message should be viewed. | Data was stored and viewed on the top of ‘Question List’ page. | Allowed to ask question without title | Failed |

Test Case Specification Identifier: T0021

Purpose: To check the functionality of ‘Asking Question’ without category.

Special Environmental: Internet should be in working condition. Database software through which the data will be stored should be in running condition.

Special Procedural Requirements: User should have been on ‘Ask Question’ Page.

Inter-case Dependencies: T0017 for being on ‘Ask Question’ page

Input Specifications:

Question title

Description

No question category

Test Procedure

Insert the required input

Click on the ‘post’ button on the ‘Ask Question’ page.

Output Specifications

‘Question Category should be added’ error message should be viewed.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
| Title: How to ask a question?  Description: I also do not know how to write description.  Category: | ‘Question Category should be added’ error message should be viewed. | ‘Question Category was added’ error message should be viewed. | nil | Passed |

Test Case Specification Identifier: T0022

Purpose: To check the functionality of ‘Viewing Question’ from ‘Question List’ page.

Special Environmental: Internet should be in working condition. Database software through which the data will be stored should be in running condition.

Special Procedural Requirements: User has to be on ‘Question List’ page.

Inter-case Dependencies: T0010 to be on ‘Question List’ page

Input Specifications:

Test Procedure

Click on the Question title

Output Specifications

Details of the question will be shown on Question page.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
|  | Details of the question will be shown on Question page. | Details of the question will be shown on Question page. | nil | Passed |

Test Case Specification Identifier: T0022

Purpose: To check the functionality of ‘Viewing Question’ from ‘Question List’ page.

Special Environmental: Internet should be in working condition. Database software through which the data will be stored should be in running condition.

Special Procedural Requirements: User has to be on ‘Question List’ page.

Inter-case Dependencies: T0010 to be on ‘Question List’ page

Input Specifications:

Test Procedure

Click on the Question title

Output Specifications

Details of the question will be shown on Question page.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
|  | Details of the question will be shown on Question page. | Details of the question will be shown on Question page. | nil | Passed |

Test Case Specification Identifier: T0023

Purpose: To check the functionality of ‘Viewing Question’ from specific user’s profile page.

Special Environmental: Internet should be in working condition. Database software through which the data will be stored should be in running condition.

Special Procedural Requirements: User has to be on Own or other user profile page.

Inter-case Dependencies:

Input Specifications:

Test Procedure

Click on the Question title from ‘Asked Question’ List.

Output Specifications

Details of the question will be shown on Question page.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
|  | Details of the question will be shown on Question page. | Details of the question will be shown on Question page. | nil | Passed |

Test Case Specification Identifier: T0024

Purpose: To check the functionality of ‘Viewing Question’ from specific user’s profile page.

Special Environmental: Internet should be in working condition. Database software through which the data will be retrive should be in running condition.

Special Procedural Requirements: User has to be on Own or other user profile page.

Inter-case Dependencies:

Input Specifications:

Test Procedure

Click on the Question title from ‘Answered Question’ List.

Output Specifications

Details of the question will be shown on Question page.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
|  | Details of the question will be shown on Question page. | Details of the question will be shown on Question page. | nil | Passed |

Test Case Specification Identifier: T0025

Purpose: To check the functionality of Answering Question’

Special Environmental: Internet should be in working condition. Database software through which the data will be stored should be in running condition.

Special Procedural Requirements: User has to be on ‘View Question’ page

Inter-case Dependencies: T0024

Input Specifications:

Answer of the question. It can be any characters but at least 1 character and at most 1000 characters.

Test Procedure

Type answer on the Text box

Click the ‘post’ button

Output Specifications

Provided answer will be viewed on the ‘View Question’ page.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
| This is my answer. | Provided answer will be viewed on the ‘View Question’ page. | Provided answer was viewed on the ‘View Question’ page. | nil | Passed |

Test Case Specification Identifier: T0026

Purpose: To check the functionality of Answering Question’

Special Environmental: Internet should be in working condition. Database software through which the data will be stored should be in running condition.

Special Procedural Requirements: User has to be on ‘View Question’ page

Inter-case Dependencies: T0024

Input Specifications:

Post answer without any text

Test Procedure

Type no text

Click the ‘post’ button

Output Specifications

‘Please type at least any text’ message will be shown.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
| nil | ‘Please type at least any text’ message will be shown. | Provided answer was viewed on the ‘View Question’ page. | nil | Failed |

Test Case Specification Identifier: T0027

Purpose: To check the functionality of Answering Question’

Special Environmental: Internet should be in working condition. Database software through which the data will be stored should be in running condition.

Special Procedural Requirements: User has to be on ‘View Question’ page

Inter-case Dependencies: T0024

Input Specifications:

Type more than 1000 character for answer.

Test Procedure

Type more than 1000 characters

Click the ‘post’ button

Output Specifications

‘This answer is too big’ message will be shown.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
| More than 1000 characters | ‘This answer is too big’ message will be shown. | Provided answer was viewed on the ‘View Question’ page. | nil | Failed |

Test Case Specification Identifier: T0028

Purpose: To check the functionality of voting question.

Special Environmental: Internet should be in working condition. Database software through which the data will be stored should be in running condition.

Special Procedural Requirements: User has to be on ‘View Question’ page and be logged in.

Inter-case Dependencies: T0024, T0007

Input Specifications:

Test Procedure

Click on the thumbs up button

Output Specifications

The count of vote will be increased.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
|  | The count of vote will be increased. | The count of vote was be increased. | nil | Passed |

Test Case Specification Identifier: T0029

Purpose: To check the functionality of down voting question.

Special Environmental: Internet should be in working condition. Database software through which the data will be stored should be in running condition.

Special Procedural Requirements: User has to be on ‘View Question’ page and be logged in. The question should be voted by the user.

Inter-case Dependencies: T0024, T0007, T0028

Input Specifications:

Test Procedure

Click on the thumbs up button

Output Specifications

The count of vote will be decreased.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
|  | The count of vote will be decreased. | The count of vote was be decreased. | nil | Passed |

Test Case Specification Identifier: T0030

Purpose: To check the functionality of voting answer.

Special Environmental: Internet should be in working condition. Database software through which the data will be stored should be in running condition.

Special Procedural Requirements: User has to be on ‘View Question’ page and be logged in.

Inter-case Dependencies: T0024, T0007

Input Specifications:

Test Procedure

Click on the thumbs up button

Output Specifications

The count of vote will be increased.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
|  | The count of vote will be increased. | The count of vote was not increased. | Only a single answer’s vote can be increased | Failed |

Test Case Specification Identifier: T0031

Purpose: To check the functionality of down voting answer.

Special Environmental: Internet should be in working condition. Database software through which the data will be stored should be in running condition.

Special Procedural Requirements: User has to be on ‘View Question’ page and be logged in. The question should be voted by the user.

Inter-case Dependencies: T0024, T0007, T0028

Input Specifications:

Test Procedure

Click on the thumbs up button

Output Specifications

The count of vote will be decreased.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
|  | The count of vote will be decreased. | The count of vote was not decreased. | Only a single answer’s vote can be decreased | Failed |

Test Case Specification Identifier: T0032

Purpose: To check the functionality of viewing profile.

Special Environmental: Internet should be in working condition. Database software through which the data will be retrieve should be in running condition.

Special Procedural Requirements: User should be logged in

Inter-case Dependencies: T0007

Input Specifications:

Test Procedure

Click on Profile button.

Output Specifications

User’s own profile page will be viewed.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
|  | User’s own profile page will be viewed. | User’s own profile page was viewed. | nil | passed |

Test Case Specification Identifier: T0033

Purpose: To check the functionality of viewing other’s profile.

Special Environmental: Internet should be in working condition. Database software through which the data will be retrieve should be in running condition.

Special Procedural Requirements:

Inter-case Dependencies:

Input Specifications:

Test Procedure

Click on Profile button.

Output Specifications

Other user profile page will be viewed.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing input | Expected output | Actual input | Anomalies Detected | Status |
|  | Other user profile page will be viewed. | Other user profile page was viewed. | nil | passed |