KOOBECAF

Software Test Plan

CSCI-P465/565 (Software Engineering I)

Project Team 13

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1.Overview

This Document provides insights into the testing part of the project. Detailed discussion of the test approach used to verify the software product is given below. Manual testing will be done upon delivery.

1.1 Test Objectives

Ensure that the code works properly and the product satisfies the requirements by testing all the functionalities over the 5 Sprints of the project like User Registration, Log In, Sign Up, Create Posts, Chat etc..

1.2 Test Environment

Each text case will be tested manually on Chrome browser on Windows, MacOS and Linux systems. Along with manual testing we will also implement frontend unit tests in React and backend unit tests in React.

1.3 Test Personnel

Each team member will test the features developed by themselves. Also, after each sprint the team members will test the combined functionalities together.

1.4 Acceptance Criteria

For each feature the team will have have separate acceptance criteria. This will ensure that the features are developed neatly and will not fail when integrated   w i t h other features.

Sign Up - User should be able to register after entering alll the mandatory details like first name, last name, email address(unique) etc

Log In:With valid username users should be able to login successfully.

1.5 Noted Omissions

OAuth

2. Test Cases

Number	1
Name	User Sign Up Valid
Description	User should be able to register successfully with a valid email address
Initial Conditions	User must have an valid email id
Input Data	Valid email ID is required
Specifications	User should be able to register successfully
Procedure	Go to social media website
	Click on "Sign Up"
	Enter email id
	Enter password
	Confirm password by reentering it
	Click on "Sign Up"
	User should be signed up in the system with pending email verification.
Number	2
Name	User Sign Up Invalid
Description	User should not be able to register successfully without a valid email address
Initial Conditions	Null
Input Data	Invalid email id

Specifications	User should not be able to register
Procedure	Go to the social media website
	Click on "Sign Up"
	Enter Invalid email id
	Enter password
	Confirm password by reentering it
	Click on "Sign Up"
	User should not be able to sign up into the system.
Number	3
Name	User Log In Valid
Description	User should be able to Login successfully with valid username and password
Initial Conditions	User must have register before and should have activated the account through email verification.
Input Data	Valid credentials
Specifications	User should be able to log in successfully
Procedure	Go to the social media website
	Click on "Login
	Enter email id/username
	Enter password
	Click on "Log in"
	User should be logged in successfully.
Number	4
Name	User Log in invalid

Description	User should not be able to log in successfully without valid credentials
Initial Conditions	Null
Input Data	Invalid credentials
Specifications	User should not be able to log in successfully
Procedure	Go to the social media website
	Click on Log in
	Enter Invalid username
	Enter password
	Click on Log in
	User should not be able to log into the system.
Number	5
Name	User profile creation sucess
Description	User Profile should get created successfully when user is registered successfully
Initial Conditions	Null
Input Data	Valid details while registering user
Procedure	Go to the social media website
	Click on SignUp
	Enter Valid details
	Click on SignUp
	User profile should get created in the DB
Number	6

Name	User Log In - Forgot Password
Description	User should be able to successfully reset password
Initial Conditions	User must have registered before
Input Data	Valid email ID
Procedure	Click on "Log in"
	Click on "Forgot Password"
	Enter Email ID
	Click on "Reset"
	Click on received reset mail.
	Enter new password and re-type new password and click reset password
	Password should get updated in the backend and User should now be able to login with new credentials.
Number	7
Name	User Posts
Description	User should be able to successfully upload a post(text).
Initial Conditions	User must have registered before
Input Data	Valid Credentials, Posts content
Procedure	Click on "Log in"
	Enter email id
	Enter Password
	Click on New Post
	Enter Post content(If text - enter text)
	Post should get uploaded successfully in the system and should be viewable in the newsfeed.

Number	8
Name	Search Functionality
Description	User should be able to successfully search posts and user from search nav bar
Initial Conditions	User must be logged in.
Input Data	Valid Credentials, Search context
Procedure	Click on "Log in"
	Enter email id
	Enter Password
	Enter context on search bar and enter
	Results corresponding to search context(user profiles and posts) should be visible.
Number	9
Name	Dark Mode Functionality
Description	User should be able to toggle between Light/Dark mode in the application.
Initial Conditions	None
Input Data	None
Procedure	Click on "Log in"
	Enter email id
	Enter Password
	Click on Light/Dark mode icon
	Website should reflect selected theme.

Revision History

Revision	Date	Change Description
v.1.0.0	03 Oct 2021	Sprint 1 Initial Version
v.1.0.1	16 Oct 2021	Sprint 2
v.1.0.2	25th Oct 2021	Sprint 3
v.1.0.3	14th Nov 2021	Sprint 4