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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Project Name | *JNEWS WEB APPLICATION* |  |  |  |  |  |  |  |  |
| Module Name | LOGIN PAGE &  *HOME*  *PAGE* |  |  |  |  |  |  |  |  |
| Created by | jay |  |  |  |  |  |  |  |  |
| Creation Date |  |  |  |  |  |  |  |  |  |
| Reviewed by |  |  |  |  |  |  |  |  |  |
| Reviewed Date |  |  |  |  |  |  |  |  |  |
|  |  |  | Sprint-1 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Test cases-ID | Description | Test Steps | Pre-  conditions | Test data | Post- condition | Expected Result | Test Pass/Fail |  |  |
|  |  | User interface |  |  |  |  |  |  |  |
| UI001 | Verify the login screen has rendered correctly with all items appearing “as expected” on the User Interface (UI) | 1.Enter valid username 2.Enter valid password 3.Click on login button | Need valid username and password for login and Valid URL | User name:  Password: | You should able to see J News application Homepage | Successful  Login | Pass |  |  |
| UI001 | Verify the login screen has rendered correctly with all items appearing “as expected” on the User Interface (UI) | 1.Enter valid username 2.Enter Invalid password 3.Click on login button | Need valid username and password for login and Valid URL | User name:  Password: | You should able to see News application Homepage | Username or Password is not correct | pass |  |  |
| UI001 | Verify the login screen has rendered correctly with all items appearing “as expected” on the User Interface (UI) | 1.Enter Invalid username 2.Enter valid password 3.Click on login button | Need valid username and password for login and Valid URL | User name:  Password: | You should able to see News application Homepage | Username or Password is not correct | pass |  |  |
| UI001 | Verify the login screen has rendered correctly with all items appearing “as expected” on the User Interface (UI) | 1.Enter Invalid username 2.Enter Invalid password 3.Click on login button | Need valid username and password for login and Valid URL | User name:  Password: | You should able to see News application Homepage | Username or Password is not correct | pass |  |  |
| UI002 | Verify if your Name is visible in the home page or not. | You have to log in | You have to enter the valid username and password | User name:  Password: | You should able to see your name Hello in the Homepage | It will show Hello Username in the correct position. | pass |  |  |
| UI002 | Verify logo is displayed as per the design specification | Check the Logo is presented or not | You have to Enter the valid URL | Valid URL | You should be able to see the Jnews logo and Welcome to Jnews on the web page. | It will show Jnews logo and Welcome user | Pass |  |  |
|  |  |  |  |  |  |  |  |  |  |
| UI003 | Verify username box is displayed with default text “”Your Username name”” | Check the Username Box there or not | - |  | - | You are able see Username box with enter your username | Pass |  |  |
| UI004 | Verify the password box is displayed with default text ”Your password”. | Check the Password Box there | - | - |  | You are able see Password box with enter your Password | Pass |  |  |
| UI005 | Verify the “Sign In” button is present. | Check the verify button is visible | - |  | - | You are able see Signin Button | Pass |  |  |
| UI006 | Verify the “Sign up” button is present. | Check the verify Sign up visible |  | - | - | You are able to see Signup button | Pass |  |  |
|  |  | FUNCTIONAL TESTING |  |  |  |  |  |  |  |
| FT001 | Verify user is able to enter their credentials or not | Credentials are accepted by the system. | You need to give valid Username and password | Username and password | If the user enter valid credentials then it will be accepted by system | Username and password are accepted by system | Pass |  |  |
| FT002 | Verify the “Submit” button can be selected. | “Submit” button is clickable |  | - | - | You can see the Submit button | Pass |  |  |
| FT003 | Verify The cancel button is working | ‘ Check ’Cancel button is working and it is resetting your credentials | You have to enter credentials | Enter your Username and password | If you are click on the cancel button it will reset all your fields | All credentials are going resetting | Pass |  |  |
| FT004 | Verify the login page accepts the user’s credentials | Login page accepts credentials.  User is directed to the home page. | You have to enter the valid credentials | Enter Username, Password and confirm your password | It will directed you to Home page | You can directly go to homepage without re login | Pass |  |  |
| FT005 | Verify user can login successfully once valid credentials have been entered | Enter username password and click to submit | You need to valid credentials | Username password | Successful login message should display with thank you | You can see the message | Pass |  |  |
| FT006 | The Verify registration section is not displayed when the user enters valid credentials for an existing account. | User is directed to the post login page if the login is successful. | You need to  Give valid  credentials | Username  Password  Confirm  password | Successfully register | You can see the  Message for register is successfully | pass |  |  |
| FT007 | Verify incorrect username fails login. | Login Error Message is displayed. | You need to  Give valid  credentials | Username  And  password | In valid  credentials | You username or password incorrect | pass |  |  |
| FT008 | Verify invalid password is not accepted. | Login is rejected.  Error message is displayed  User is NOT logged in. | You need to give valid credentials | Username and  password | Invalid credentials | You username or password incorrect | pass |  |  |
| FT009 | Verify invalid username and invalid password entered simultaneously fail. | A meaningful error message such as “Invalid Login Error” should be displayed. | You need to give valid credentials | Username and  password | Invalid credentials | You username or password incorrect | pass |  |  |
| FT010 | Verify User name field is too short to contain validated input data. | Users cannot continue testing unless resolved / tab refreshed / browser restarted etc. | You need to give valid user name | User name | Minimum  Eight characters | You username should be minimum eight characters | pass |  |  |
| FT011 | The Verify Password field is too short to contain validated input data. | Password has minimum length requirements of 5 characters with upper/lower case letters, numbers and symbols allowed – e.g “!123qwe” OR “A1b2C3d4e5”. | You need to give valid password | password | At Least one upper/lower and one special character | You password should be minimum eight characters | pass |  |  |
| FT012 | Verify password meets the minimum passphrase length criteria. | Pass phrase minimum 6 words (no set words/patterns) – minimum 8 characters in length (must contain at least one of the following: upper case letter, case letter, number or symbol) | You need to give valid password | password | At Least one capital and one special character | You password should be minimum eight characters | pass |  |  |
| FT013 | The Verify Password field is too long to contain validated input data. | Password has maximum length requirements of 16 characters with upper/lower case letters, numbers and symbols allowed – e.g “!123qwe&@#ABCDEFG”. | You need to give valid password | password | At Least one capital and one special character | You password should be minimum eight characters | pass |  |  |
| FT014 | Verify Caps Lock key is enabled during password entry. | Incorrect Password error should display. | You need to give valid password | password | At Least one capital and one special character | You password should be minimum eight characters | pass |  |  |
| FT015 | Verify Num Lock key is enabled during password entry. | Incorrect Password error should display. | You need to give valid password | password | At Least one capital and one special character | You password should be minimum eight characters | pass |  |  |
| FT016 | The Verification system does not accept passwords which are too similar. | Invalid Credentials error should display. , e.g “password” & “Password” | You need to give valid password | password | At Least one capital and one special character | You password should be minimum eight characters | pass |  |  |
|  |  | API-TEST | postman |  |  |  |  |  |  |
| API001 | Sign in | The requested succeeded sign in | You need to give valid password | Username and password | Sign in to home page |  | pass |  |  |
| API002 | Sign in  400 | Bad request the server could not understand the request | Server is not connected | Server error | Does not sign in due to bad request |  | pass |  |  |
| API003 | Sign in 401 | Unauthorised  The request is not authorised | Unauthorised request | The request is not authorised | Request  Is not authorised |  | pass |  |  |
| API004 | Sign up 200 | The requested succeeded sign up | You need to give valid password | Username and password | Sign up to home page |  | pass |  |  |
| API005 | Sign up 400 | Bad request the server could not understand the request | Server is not connected | Server error | Sign up  Server error |  | pass |  |  |
| API006 | Sign up 401 | Unauthorised  The request is not authorised | The request is not authorised | Unauthorised | Sign up  Unauthorised |  | pass |  |  |
| API007 | Sign out | User should Sign out | User can sin out and sign in | User can  Sign out | Sign out |  | pass |  |  |
|  |  | Data base |  |  |  |  |  |  |  |
| DA001 | Check the table is available in database | available in database |  |  |  |  | pass |  |  |
| DA002 | Check the data is saving or not | the data is saving or not |  |  |  |  | pass |  |  |
| SPRINT-2 | | | | | | | |  |  |
| Test cases-ID | Description | Test Steps | Pre-  conditions | Test data | Post- condition | Expected Result | Test Pass/Fail |  |  |
|  |  | User interface |  |  |  |  |  |  |  |
| UI101 | Verify Sign in button is there | Visit Jnews | - | News URL | Signin button should be there | User can sign in into Jnews | Pass |  |  |
| UI102 | Verify Homepage is showing General categories News | User need to sign in | Sign in into J news | Valid credentials | - | General news should be there | Pass |  |  |
| UI103 | Verify that  The  homepage of the newsweb application loads successfully and all the  components of the page are displayed correctly | User need to sign in | Sign in into J news | Valid credentials | See all the news | News should be load and display correctly | Pass |  |  |
| UI104 | Verify News headline font is bigger than news in size | User need to sign in | Sign in into J news | Valid credentials |  | User able to see news headline easily | Pass |  |  |
| UI105 | Verify that the top news stories are displayed on the homepage and the headlines are clickable | User need to sign in | Sign in into J news | Valid credentials |  | User able to see Top news in the homepage | Fail |  |  |
| UI106 | Verify that the news are in the correct category | User need to sign in | Sign in into J news | Valid credentials |  | News should be in the correct category | pass |  |  |
| UI107 | Verify that font size and style are same throughout news | User need to sign in | Sign in into J news | Valid credentials |  | News article should be displayed in the same font size and style | Pass |  |  |
| UI108 | Verify Refresh button is there | User need to sign in | Sign in into J news | Valid credentials |  | Refresh button should be there | Pass |  |  |
| UI109 | Verify setting button is there | User need to sign in | Sign in into J news | Valid credentials |  | Setting button should be there | Pass |  |  |
| UI110 | Verify categories Checkbox is working | You need to click on the setting button | Sign in into J news | Valid credentials | User need to select one or more categories | User can select multiple category based on their interest | Pass |  |  |
| UI111 | Verify the OK button is working properly or not. | You need to click on the setting button | Sign in into J news | Valid credentials | At Least one category needs to be select | OK button should be there | Pass |  |  |
| UI112 | Verify the Cancel button is working properly or not. | You need to click on the setting button | Sign in into J news | Valid credentials |  | Cancel button should be there | Pass |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  | Functional Testing |  |  |  |  |  |  |  |
| FT101 | Verify JNews displaying general news on the landing page | Visit JNews | You have URL of Jnews | JNEWS URL | User have to visit Jnews | Page displaying general news | Pass |  |  |
| FT102 | Check if the news articles are categorised into different categories | User have to sign in Jnews | User have to enter valid credentials and then signed in | Valid credentials | - | User able to choose categories as | Pass |  |  |
| FT103 | Verify How many categories user can select | User need to click on setting button | User need to select categories | - | User can select more than one category | User able to see different categories | Pass |  |  |
| FT104 | Verify that the user can access news from a specific category. | User need to choose a categories | User to click on settings button | – | User have to choose category as per their interest | It will shows news only from selected categories | Pass |  |  |
| FT105 | Verify that news feed is displayed properly | Visit Jnews Homepage | – | – | – | News should be in proper format | Pass |  |  |
| FT106 | Verify that the news feed displays the latest news articles | Visit Jnews and click on the Latest news | – | – | – | User able see Latest News in the homepage | Fail |  |  |
| FT107 | Check that each article contains a title, description, image, and source. | Click on the News article | User able to expand news article | - | - | User able to expand news article and see title description image and source | Fail |  |  |
| FT108 | Verify that the articles are sorted by date and time, with the latest articles appearing first | User | - | - | - | Articles should be sorted date and time wise. | Fail |  |  |
| FT109 | Verify that clicking on a news article leads to a detailed article page | User need to click on the news article | - | - | - | When user clicks on the link user can see full news article | Pass |  |  |
| FT111 | Check the News web application page loading time | Click on the News link | User need to see page loading time for news articles | News link | - | Page loading time should be minimum. | Pass |  |  |
| FT11 | Verify that user can update their categories | User need to click on the setting page | User need to select new category |  | User need to click on the OK button | User able to add new category in their choosing category list | Pass |  |  |
| FT114 | Verify that the news web application has a "trending now" section that displays the most popular article | User need to click on the trending now section | - | Trending news | - | User able to see the most visited article from the JNEWS | Fail |  |  |
| FT115 | Verify that the news web application has a "recommended for you" section that displays articles based on the user categories | User need to choose categories | - | - | User can see recommend for you section | User can see the news as per their selection | Fail |  |  |
|  |  | API Testing | postman |  |  |  |  |  |  |
| API 101 | 200 | Verify that a GET request to the API endpoint for news articles returns a 200 OK response |  |  | 200 ok refresh button |  | Not done  yet |  |  |
| API 102 | 401 un orthu | Verify that the response contains the expected number of articles |  |  | 401 user is not recognized |  | Not done  yet |  |  |
| API 103 |  | Verify that a GET request to the API endpoint with a category parameter returns only news articles that belong to that category. |  |  | Setting button |  | Not yet done |  |  |
| API 104 |  | Verify that each article in the response belongs to the specified category. |  |  | News.api call |  | pass |  |  |
|  |  |  |  |  |  |  |  |  |  |
| API 106 |  | Verify that the API returns an error message when an invalid or incorrect URL is provided. |  |  | Api call to Retrieve  User preferences |  | pass |  |  |
| API 107 |  | Sign in users |  |  | Sign in |  | pass |  |  |
| API 108 |  | Sign up |  |  | Sign up |  | pass |  |  |
|  |  | Database |  |  |  |  |  |  |  |
| DB101 | Verify that the database schema is correctly set up and all tables are created with the correct data types and relationships | Make a user table and created a columns of all the categories | Insert a data into user table and connect tables | Table and data | User table should be updated | Database schema and data types should be correctly set with correct relationship | Pass |  |  |
| DB102 | Test that the database can store and retrieve news articles correctly | Check that the table can store the news article. | Store the news article in the database | News articles data | News article should be retrieved correctly | All the news articles should be stored and retrieved correctly in the database. | Pass |  |  |
| DB103 | Test that data is properly stored and retrieved from the database. | Store the news article and then retrieve them from the database table | Store the news article in the database in the proper manner | News articles data | News article should be retrieved properly | All the news articles data should be stored and retrieved Properly in the database. | Pass |  |  |
| DB104 | Check that the database can handle user authentication and authorization, including storing and retrieving user passwords securely | User’s credentials and their data retrieved properly or not. | User needs to sign in first | Login credentials | User need to choose their categories as per their interest | When user sign in into JNEWS their chosen Categories should be remain same | Pass |  |  |
| DB105 | Check that the database can handle different types of data | Check that all types of data are there in the database or not | Table  should consist different types of data | All types of data which is used in the JNEWS | - | Database need to handle all types of data like images and text etc. | Fail |  |  |
| DB106 | Test that articles can be retrieved from the database by category | News articles data should be store with their category | News articles and Categories should be related correctly. | News articles and category name | Make sure that news articles are perfectly belonging to that category only. | Articles should be retrieved correctly as per their categories. | Pass |  |  |
| Integration Testing | | | | | | | | | |
| Test cases-ID | Description | Test Steps | Pre-  conditions | Test data | Expected Result | Test Pass/Fail |  |  |  |
| 001 | Verify that the login functionality works properly | Enter valid Login credentials | Valid URL | Login Credentials | User will directed to Home page | Pass |  |  |  |
| 002 | Verify that the user can create a new account, with all the necessary details being saved correctly in the | Enter Valid Credentials | Valid URL | Enter valid Credentials and create an account | User will directed to HomePage |  |  |  |  |
| 003 | Verify that the user can filter articles based on different criteria, such as date and category that the filtering works correctly. | User need to select categories | Login into Jnews | Select few categories as per User interest | User can able to see the news as per their selection | Pass |  |  |  |
| 004 | Verify that articles shown in page  are in descending order from the most recent | Valid URL | Login into JNews | Used need to visit Jnews | User able to see most recent articles first |  |  |  |  |
| 005 | Verify that the category links are functional and links to the correct pages within the application. | Valid URL | Visit Jnews | User need to click on one category link eg. Sports | Sport category news should be displayed |  |  |  |  |
| 006 | Setting and Database integration | Select categories from setting | Login Credentials | Check any category | Database will reflect that category which is selected by user |  |  |  |  |
| 007 | Verify that Pagination in the application works correctly | Select any page number. | Login credentials | Go to any page number | Users are able to see the news on that page number as per selected category. |  |  |  |  |
| 008 | Verify that the application is accessible and loads successfully in a web browser | Visit J news | Login in to Jnews | Try to access news , | User can access the application without any interruption and load |  |  |  |  |
| 009 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Database testing | | | | | | | | | |
| DB01 | Verify Data insertion |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |