

## Group 12-2

Names: Aidan Donnelly, Alicia Zhang, Eric David, Luke Wu, Kenneth Flowe

### Lab 11 - UAT Plan

1. Create 1 document per team, within the **milestones** folder in the project directory, that describes how, at least, 3 features within your finished product will be tested.
2. The test plans should include specific test cases (user acceptance test cases) that describe the data and the user activity that will be executed in order to verify proper functionality of the feature.
3. The test plans should include a description of the test data that will be used to test the feature.
4. The test plans should include a description of the test environment ( localhost / cloud ) that will be used to test the feature.
5. The test plans should include a description of the test results that will be used to test the feature.
6. The test plan should include information about the user acceptance testers.

## Feature: Navbar

### Objective:

Ensure that the navigation bar at the top of the page can be used to switch between pages once they are logged in and to also execute features like logging out.

### Specific Test Cases (user acceptance test cases):

1. User should be able to press the 'Map' button on the navigation bar to navigate to the home page of the map and the list of articles (/newsMap route).
2. User should be able to press the 'Saved Articles' button on the navigation bar to navigate to the page of saved articles depending on the user. (/savedArticles route).
3. User should be able to press the 'Profile' button on the navigation bar to navigate to the page displaying the user's profile information.
4. User should be able to press the 'Logout' button on the navigation bar to log out from the current user.

### Description of Test Data to Use:

The test data that will be used is all the routes that are in the index.js file. Furthermore, all the redirected pages are located within the /views/pages route.

### Test Environment:

The testing environment will be in the localhost, we are using the localhost:3000 in order to test our website locally. Testing the buttons and viewing the navigation bar on the page does not require any server/cloud use.

### Test Results (User Acceptance Criteria):

When the user clicks on each of the buttons on the navigation bar, it should either redirect them or execute a function based on their name. Test is successful if the correct page loads without errors and the content is as expected. Test is failed if pages do not load, or an error occurs when clicking on any of the buttons on the navigation bar.

#### User Acceptance Testers:

The testers initially will be us, the team members, then afterwards we will use other classmates from our recitation to test our features.

### **Feature: Saved Articles**

Objective: Provide a page for each user to view the articles they have saved/bookmarked.

#### Specific Test Cases (user acceptance test cases):

1. Users should be able to see an organized presentation of their saved articles.
2. When the user clicks the comment icon on a saved article, a list of comments for that specific article should be displayed in a modal.
3. Users should be able to see the comments and which users commented.
4. Users should be able to edit or delete their comments from the saved articles page.

#### Description of Test Data to Use:

The test data that will be used are the articles from the map API, which the users can choose from to save. The test data also includes comments in the comments database. Furthermore, if we wanted to test this feature without the API, we can use mock JSON object data in order to have mock articles for us to test the page and comment on.

#### Test Environment:

The testing environment will be in the localhost, we are using the localhost:3000 in order to test our website locally. Testing the buttons and viewing the navigation bar on the page does not require any server/cloud use.

#### Test Results (User Acceptance Criteria):

When users navigate to their saved articles page, a list of the articles that they have saved should show. On each saved article, users should be able to click on a comment icon and view comments for that specific article. Test is successful if the user's saved articles are displayed and they can create a new comment, edit an existing comment, or delete their comment. Test if failed if the saved articles does not load or the user cannot interact fully with the common modal.

#### User Acceptance Testers:

The testers initially will be us, the team members, then afterwards we will use other classmates from our recitation to test our features.

### **Feature: Map/Homepage**

Objective: Provide an interface for users to interact with that allows them to drop pins on a city and receive local live news from that city.

#### Specific Test Cases (user acceptance test cases):

- 1) Users should be able to view a map of the entire world. They should be able to scroll around, zoom in and out, and drop pins on the map.
- 2) When a user drops a pin on the map they should see a list of articles/headlines from local news to that city. Alternatively, if the pin is dropped in a location that is not a city, the user should receive feedback letting them know that this location is not a city.
- 3) Users should be able to press on a dice icon that does the same thing as the previous test case except the random city in the United states. This button should only return valid locations and not drop in an area like the ocean.
- 4) After a pin is placed and articles show up, users should be able to press a bookmark button that saves the article to their profile. If an article is already saved the functionality of this button should instead unsave the article from their profile.

#### Description of Test Data to Use:

The API returns local current news, so we will compare the result of the pin drop to a manual API call directly to the news API of the accepted city where these articles will be published from.

#### Test Environment:

The testing environment will be in the localhost, we are using the localhost:3000 in order to test our website locally. We will also use Postman to test cases that involve the use of either the map or news API.

#### Test Results (User Acceptance Criteria):

The acceptance criteria for this feature includes a functioning route that does not cause a javascript or API error no matter the user input. A functioning map that remains loaded throughout the entire use of the site. The ability to move around the map, place pins, or press a dice button to randomly drop pins. When a pin is dropped news articles should be displayed or users should receive feedback on why the articles weren't received (not a city, no current articles, etc). The articles should be displayed in cards with critical information like the date published, headline, etc. The cards should allow users to click on them to view the article externally and allow users to save the article to their profile.

#### User Acceptance Testers:

The testers initially will be us, the team members, then afterwards we will use other classmates from our recitation to test our features. Additionally, we can use friends completely removed from the class to interact with the website; this will give us insights into how a user might interact with the website with no context.

