About the web application

Acquiring a new language can be a challenging endeavour that often leads to individuals quitting part-way through the process of learning one. To make language-learning less daunting, this work aims to develop a fun and engaging story-writing web-game, *WriteIt*, that supports players in learning English.

In the game, users piece together stories both collectively and incrementally; that is, each user contributes one sentence at a time, building from where a story had been previously left off by other users. In addition, users are given a specific word that they must incorporate in each sentence that they contribute. In this way, as a by-product of playing the game, users are able to foster better writing skills, build their vocabulary, and ultimately hone their mastery of English.

Web application structure

This web application is a React application running on a Node.js server. (Note: we have not implemented any server side code yet. Node.js is only being used to serve the web application.)

**Instructions for running the application**
1. cd into the '/team15/writeit' directory.
2. Run 'npm install' to install the required modules for the web application.
3. Run 'npm start' to launch the web application. Once launched, the application should be running on localhost:3000.
4. To login as regular player, credentials are (username: user, password: user). To login as an admin, credentials are (username: admin, password: admin).

User interactions

Below describe the use cases for each of our three user types: guest (i.e., a user who has not yet authenticated), regular player, and admin.
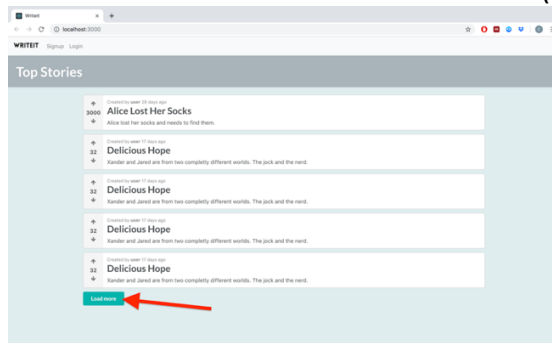
1) **Navigation bar** (Note: navigation bar items are different depending on the user type)
   - Access the landing page by clicking on 'WRITEIT' (guests, regular players, admins)
   - Sign in or authenticate (guests)
   - Access personal profile page (regular players, admins)
   - Created a new story (regular players, admins)
   - Access the admin dashboard (admins)
   - Send bugs and suggestions to the admins (guests, regular players, admins)
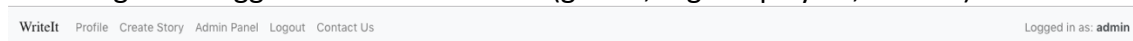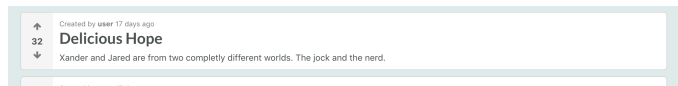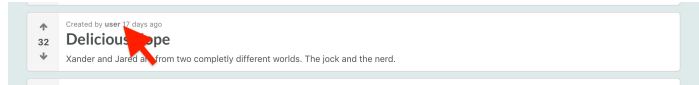

2) **Landing page**
   - View all stories on the landing page, order based on recency and popularity. Users may click on the 'Load more' button to view more stories (all users):

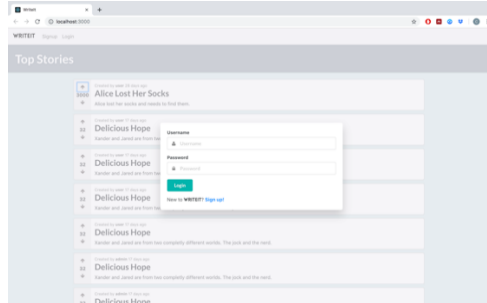   - Click on anywhere on a story and enter its 'Story view' (all users):

```
          Created by user 17 days ago
32        Delicious Hope
          Xander and Jared are from two completly different worlds. The jock and the nerd.
```

- Click on users and view their profiles (all users):


```
          Created by user 17 days ago
32        Delicious Hope
          Xander and Jared a  from two completly different worlds. The jock and the nerd.
```

- Upvote or downvote a story (regular players and admins):


```
          Created by user 16 days ago
3000      Alice Lost Her Socks
          Alice lost her socks and needs to find them.

          Created by user 17 days ago
32        Delicious Hope
          Xander and Jared are from two completly different worlds. The jock and the nerd.
```

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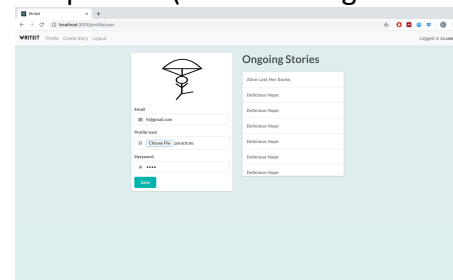If guests attempt to do so, is login popup is shown requiring them to authenticate:

3) Profile Page

- View the profile page of users, click on stories they've contributed to (i.e., 'Ongoing Stories') and go to its 'Story View' (all users):
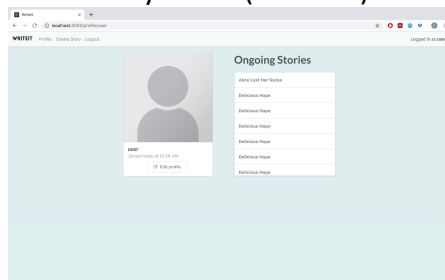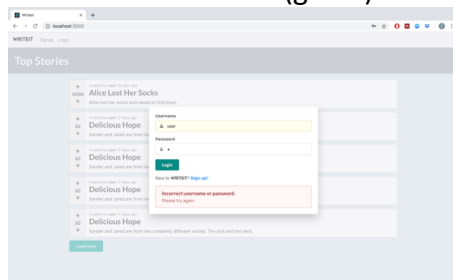

- Edit profiles (users viewing their own profile page and admins)

4) Login

- Login to the web application or get redirected to the signup page. Users are notified if they entered incorrect credentials (guest):

- Login info such as username, user type and token are stored in local storage for future access.
- Login will refresh the page to landing and login option will be replaced by logout option.

5) Signup
- Register for an account. (Note: the profile page currently does not work for users other than 'user' and 'admin' since the dynamic data is not yet persistent, when info are entered and submitted. no data is actually stored. Thus the login with new account will fail. In phase 2, when server side is actually implemented. Upon refresh the page will re-fetch data from updated database and the user will be able to login using the new account):
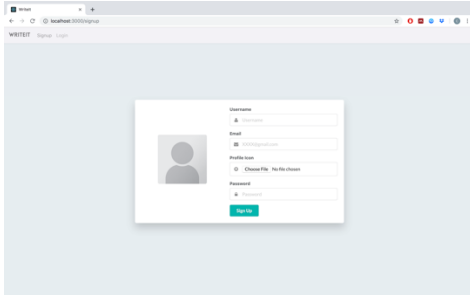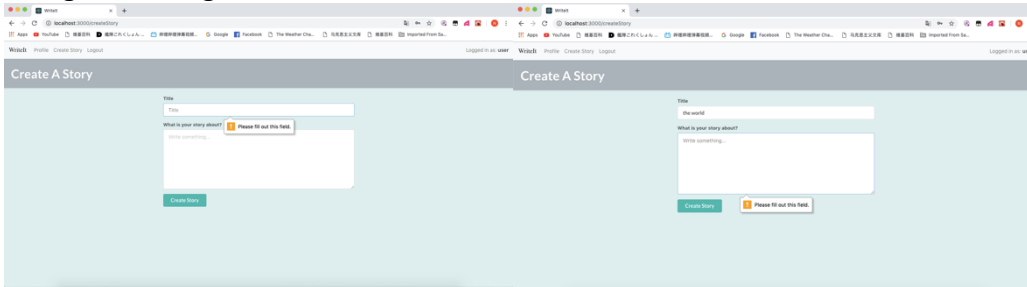

6) Create Story
- Create a new story and then get redirected to its 'Story View':
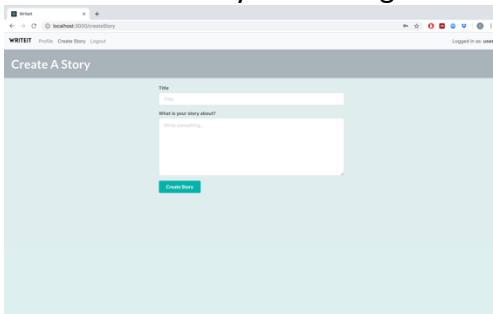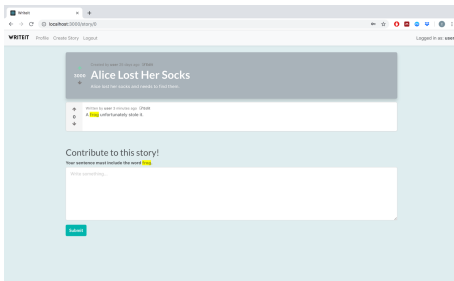

Will get warnings if don't fill in the title and content:
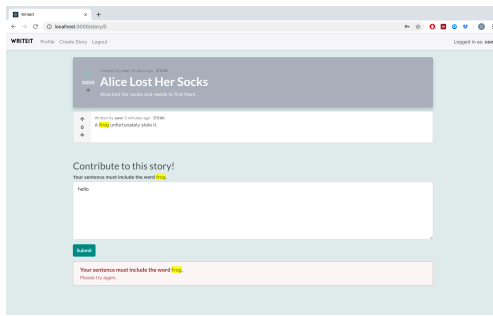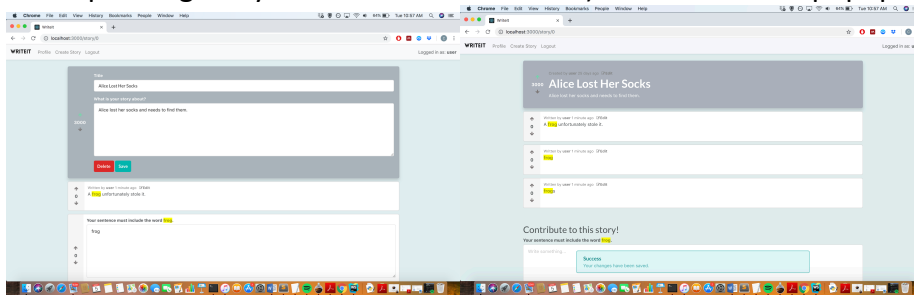

7) Story View
- View the sentences written for a story (all users):

- Contribute to a story (regular players and admins):

- Upvote or downvote a story or sentence (regular players and admins)
- Edit stories and sentences or delete a story (regular players who are the authors of the corresponding story or sentence and admins). A confirmation popup is shown for any edits made:
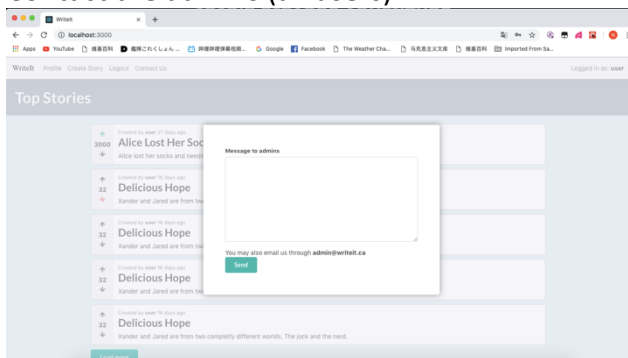

- Guests are prompted to login if they attempt to do anything unauthorized(a log-in window pop up).
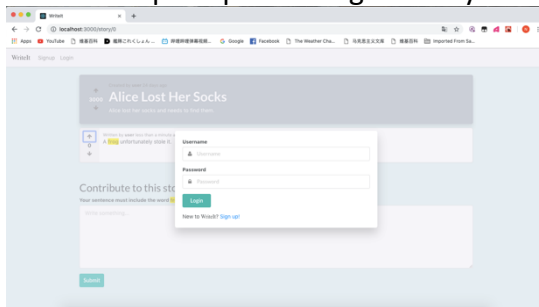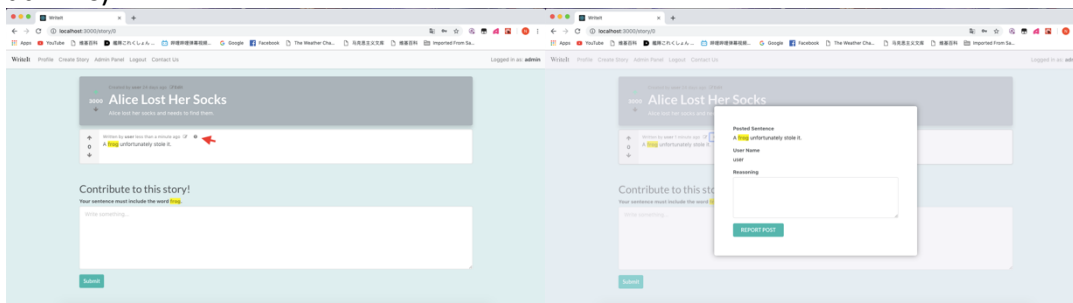

8) Report view
- Contact the admins (all users)

- Report any inappropriate sentences by clicking the small button beside edit (regular players and admins)

9) Admin dashboard (only admins can interact with this view)
- Suspend/unsuspend user accounts
- Set user roles
- Archive user reports