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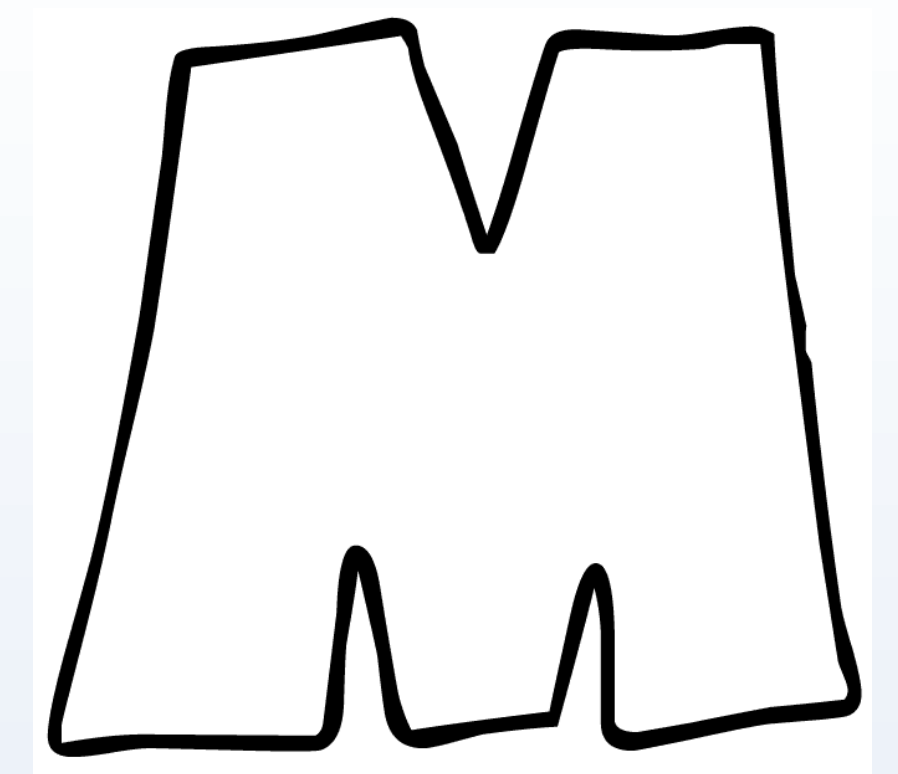
Spring 2019 Senior Design Project

MIMC – Minorities Inspiring Minorities in Computing

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Problem

Research has shown that a lack of relatable role models in a field is a barrier for young potential-practitioners participation. To counter this effect, the MIMC project will be conducting workshops in Title 1 Miami-Dade public schools where 6th grade students will be exposed to stories of successful minority groups such as women, Hispanics, and Blacks in the Computer Science field.

Solution

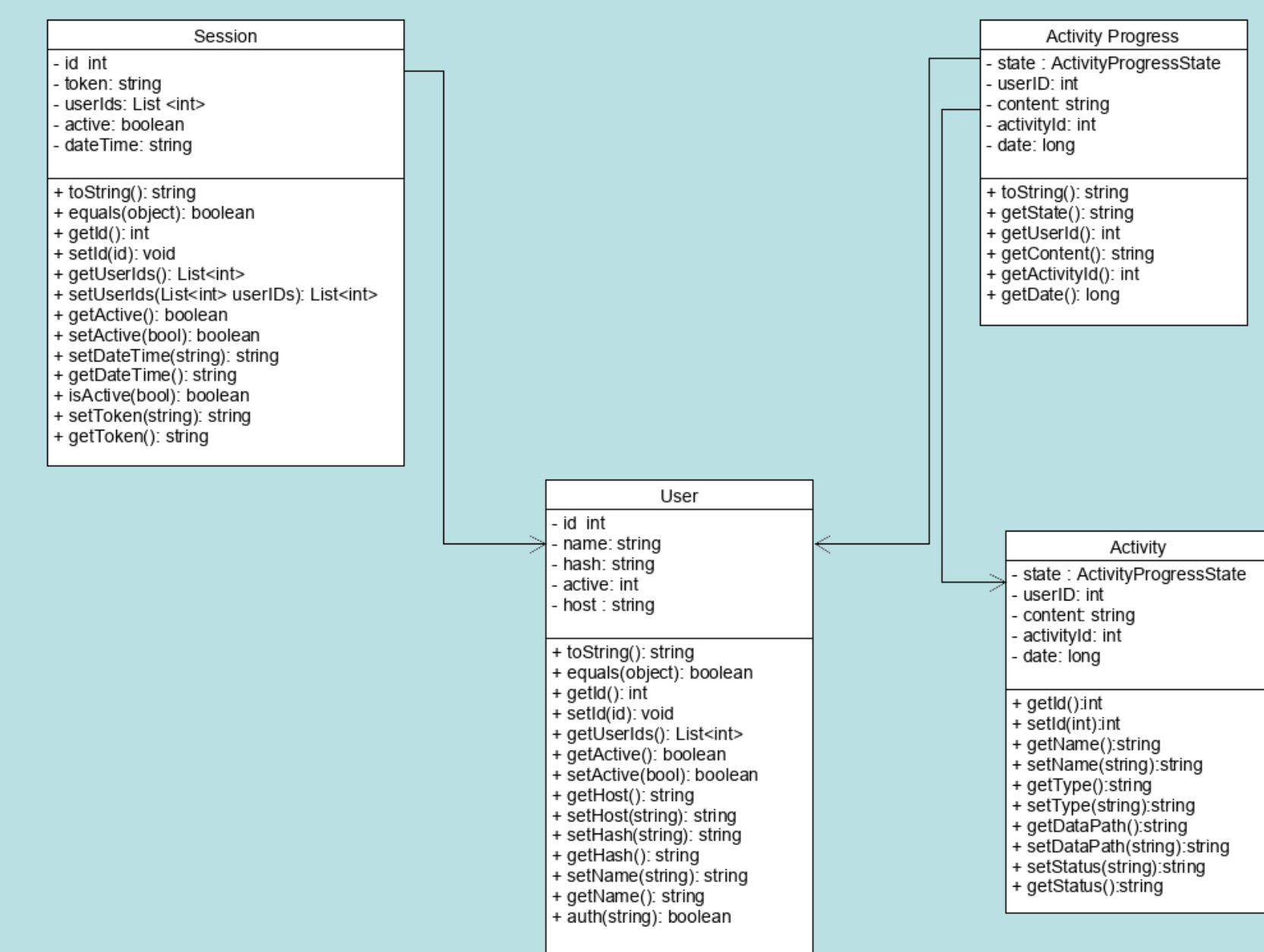
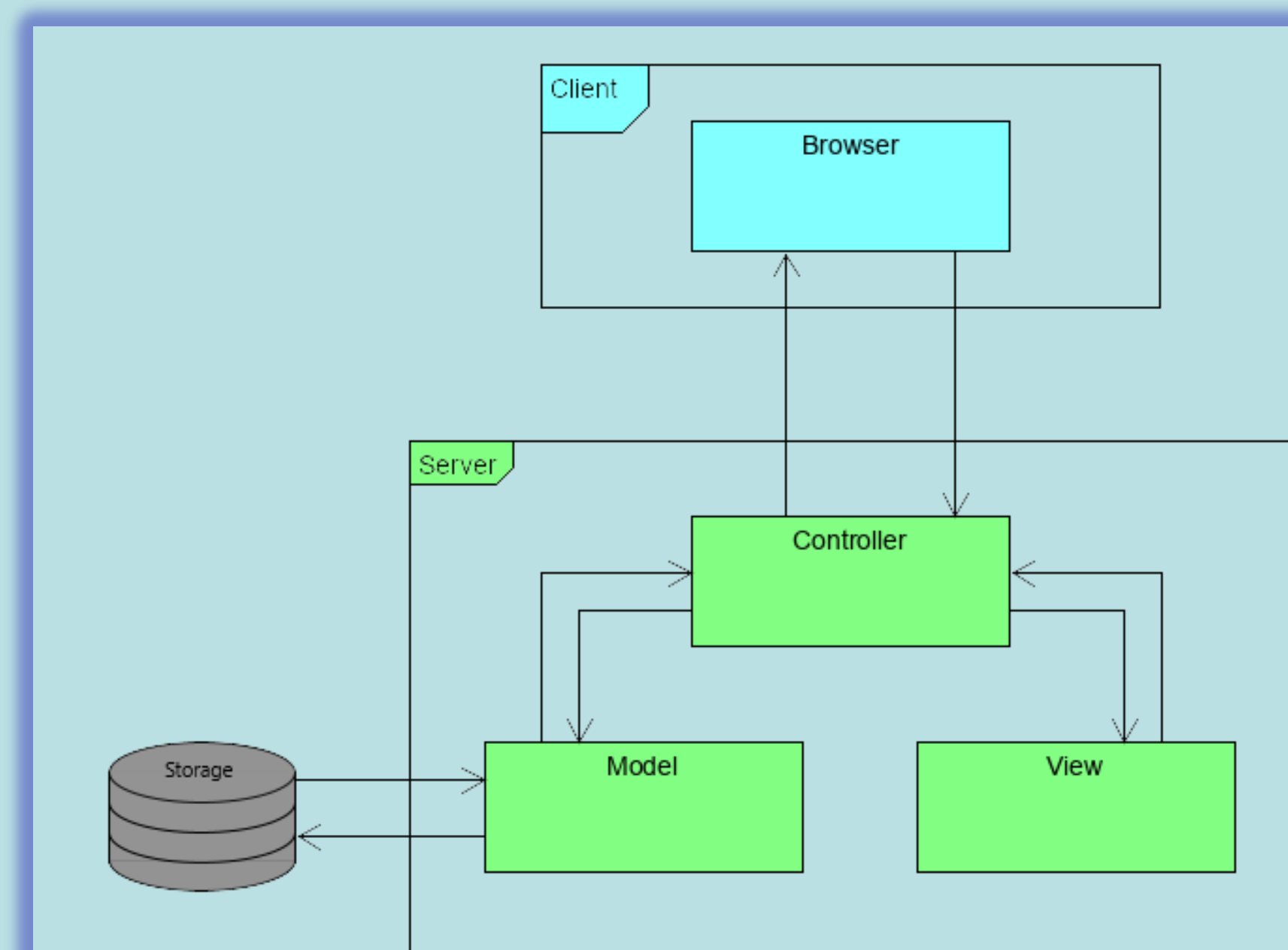
- By exposing students at an early age, we have a great chance on inspiring them to be a computer scientist.
- Interactive web activities are made for students to share their stories and interests about what they think about computer science, and for them to express what else is potentially deterring them from taking the idea of participating in the field seriously.
- Role models which had succeeded in accomplishing the feat of being a computer scientist is currently the theme of the project.

Requirements

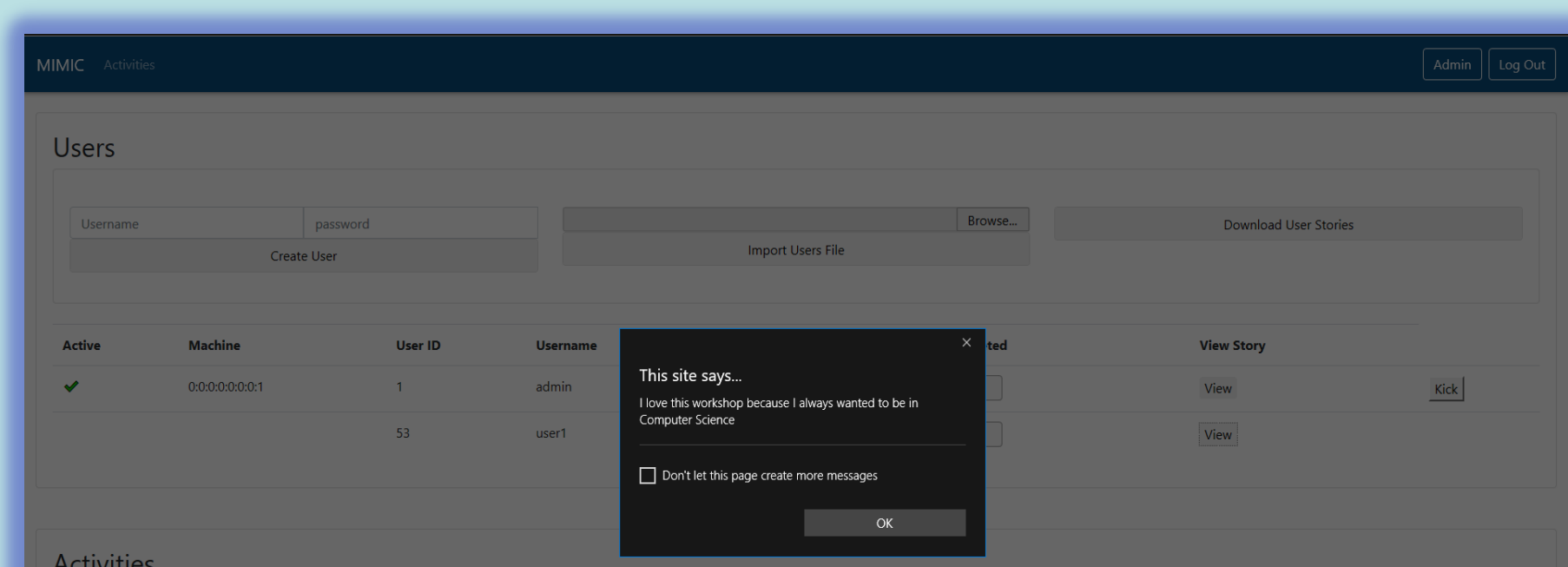
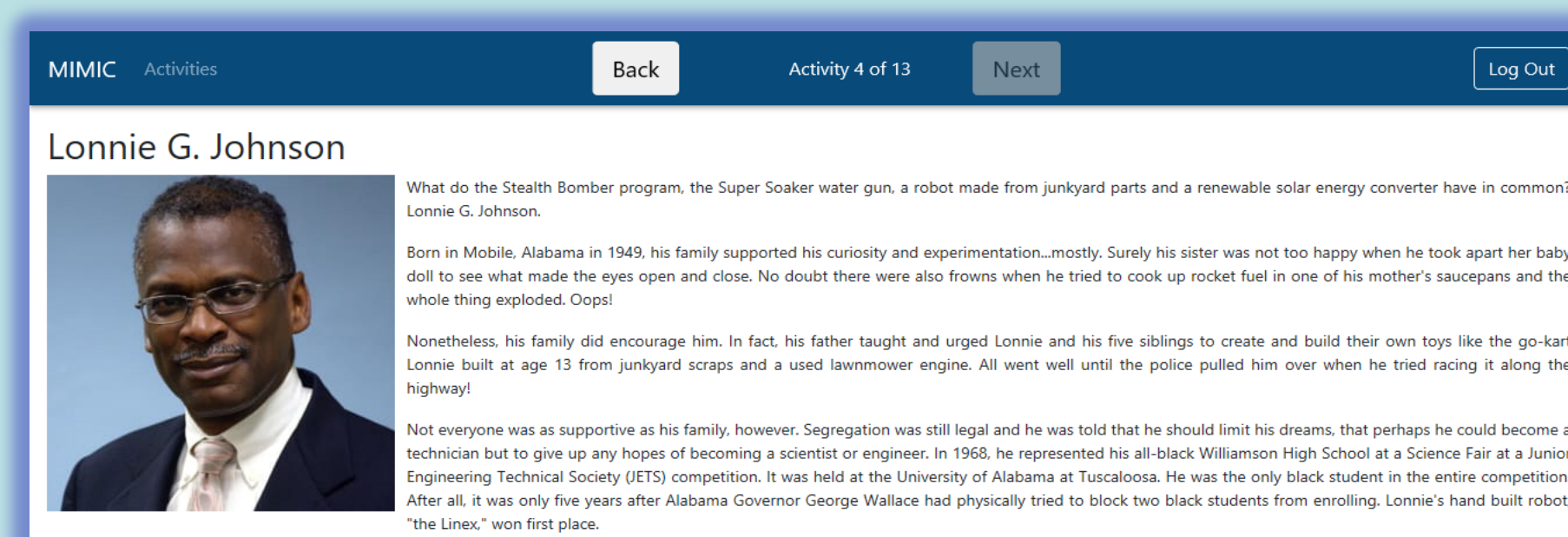
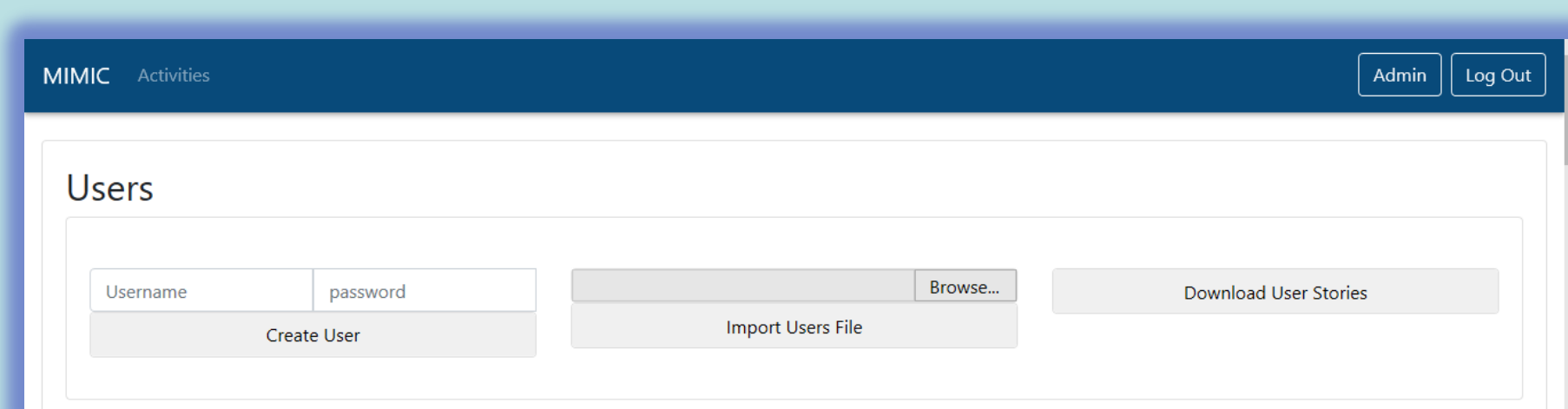
The goal for this is redesigning and implement additional features for the admin for NLP applications.

- Import multiple users from a .csv file(s)
- Export each students submitted stories to a .csv file for NLP.
- View a students story in a pop up window for quick viewing.
- Redesign the former database to handle multiple requests.
- Implement additional features in student activities.

System Design | Implementation | Object Design



Screenshots | Verification



Test Case ID: MIMI84_01

Description of Test	Verify all users are imported from a single .csv file
Precondition	1. Admin has .csv file containing usernames and passwords 2. Admin is logged in 3. Import User button is clicked
Test Procedure	1. Admin logs in 2. Admin clicks the Import Users button 3. Select .csv file 4. Verify if the user(s) is imported to the user database
Expected Results	1. Users are imported to the user database from a single .csv file
Actual result	1. Database locked dur to internal SQLite exception. (Unable to handle multiple requests).
Status (Fail/Pass)	Fail (Resolved by switching from SQLite to MySQL)

Summary

Admins will have extra tools to be able to import additional students from .csv files, export students user stories into .csv files for NLP applications which can give further insight of the challenges minorities face in the field of Computer Science. Students will have a more gratifying experience as they progress throughout the activities due to the UI revisions that were made during this process. Workshops to use this website have been schedule for Spring 2019

Acknowledgement

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