Ivan Ruan  
CISC 4900  
Supervisor Kletenik  
 **Weekly Progress Log  
2/21 – 2/27 (15 hours)**

* Started getting accustomed to Bootstrap CSS features through the use of online tutorials and guides
* Created basic html template to use as starting point for all future webpages with header, navigation bar, footer, and main content space
* Created template .css file that will be referred to by all future webpages
* Created directories for images and added favicon and images used in home page
* Partially created home page

**2/28 – 3/6 (15 hours)**

* Finished creating home page
* Finished creating informative web pages for arrays and linked lists
* Partially created web page for stacks
* Created several images to use as visual references for complete web pages

**3/7 – 3/13 (20 hours)**

* Finished the webpage for stacks
* Created and finished the webpages for queues, hash tables, and binary search trees

**3/14 – 3/20 (12 hours)**

* Demo’d my webpages to supervisor and received feedback
* Adjusted webpages accordingly
* Proofread pages and fixed various typos
* Reworded some descriptions in order to make them easier to understand

**3/21 – 3/27 (16 hours)**

* Fixed a CSS bug that caused dropdown menu to misalign
* Created and tested Javascript implementations for linked lists and stacks
* Created efficiency test pages for arrays, linked lists, and stacks

**3/28 – 4/3 (18 hours)**

* Created and tested Javascript implementations for queues, hash tables, and binary search trees
* Created and finished efficiency test pages for queues and hash tables
* Partly completed efficiency test page for binary search trees but ran into various issues

**4/4 – 4/10 (20 hours)**

* Demo’d efficiency tests to supervisor; was suggested to change them due to inconsistencies
* Remade test programs in Java that takes average runtime instead of runtime of a single function call
* Replaced live test graphs with pre-prepared data from the Java tests
* Completed efficiency test page for BST’s
* Updated notes section of test pages to reflect changes
* Wrote and submitted interim report

**4/11 – 4/17 (12 hours)**

* Proofread and fixed typos in explanations for efficiency test pages
* Made a template quiz page with placeholder text
* Acquired MariaDB account on the BC server
* Watched tutorials on using MariaDB

**4/18 - 4/24 (20 hours)**

* Created database on BC server and populated it with a couple of questions
* Wrote PHP code to connect quiz page to an identical local database on my machine; it’s impossible to connect to BC server database until website is hosted there
* Wrote PHP code to allow quiz page to query database for questions and answers
* Finished quiz feature; users can answer questions, receive a score, and view which questions they got right or wrong

**4/25 – 5/1 (11 hours)**

* Added 42 more questions and their answers to the database
* Proofread and made minor edits in the overviews and efficiency test features to remove typos and reword explanations
* Adjusted styling of quiz page

**5/2 – 5/8 (10 hours)**

* Demo’d quiz feature to supervisor and received feedback
* Edited quiz page so that results are displayed at bottom instead of as an alert message
* Reworded some questions in database to make them easier to understand
* Created feedback form and gathered some user input
* Wiped database credentials from Github page and commit history