**Progress Report 1**

**Sprint planning meeting:** February 13, 2021

* + Divided the team into two development teams:
    - Front-end: Eric Kohler, Nathalie Atouba-Eyoune and Zihao Zhao
    - Back-end: Brandon Daryl Wanji, Kenny Yang, Jiahui Xu, Santiago Franco and Xingzhi Chang.
  + Front-end: design and implement a demo chatbot webpage that will present the user with frequently asked questions and a chat window that simulates a chat.
  + Back-end: create sample web scraper that gathers important data for chatbot by searching Brock University website for pages we want to scrape information from and search those pages for individual subpages that we also want to scrape information from. Create text file of resulting URLs of websites to scrape.

**Weekly scrum meeting:** February 21, 2021

* + Front-end:
    - Presented 5 possible designs for the website and created poll for team to vote on which design to implement. Discussed possible adjustments/amelioration needed for the webpage.
  + Back-end:
    - Divided data scraping work into bashes for individuals to work on.
    - Established standard of how to organize scrapped data and tools to use for scrapping, i.e., Beautiful Soup, python library for pulling data out of HTML and XML files.

**Weekly scrum meeting:** February 27, 2021

* + Front-end:
    - Incorporated suggested changes to chosen design to make website less centered around Brock, i.e., changed header from “Brock InfoBot” to “Mobi”.
    - Split website implementation work into different tasks and assigned tasks to each member of front-end development team.
  + Back-end:
    - Provided update of progress on data scrapping, outlined hurdles, and clarified which data we should directly link vs. what we should scrape.

**Sprint deliverables:**

* + Front-end: website page
  + Back-end: scrapped data and test web scraper.

**Sprint review and retrospect:** March 06, 2021

* + Front-end:
    - Need to implement more media queries for responsive website.
    - May consider other colour themes as too much red is quite bright and alarming to some users.
  + Back-end:
    - Need to compile all HTML tag elements that need to be scrapped into a text file, create methods for scrapping and have a full working scrapper.
    - May need to use Selenium framework with or instead of Beautiful Soup for web scraping as problem was found when scrapping with python’s Beautiful Soup library. The problem found is that Beautiful Soup scrapes the HTML tags, but Brock university does not have every tag separated. Thus, scraping with Beautiful Soup returns a huge chuck of text which you cannot parse through, but Selenium can parse that data in a way that you can easily extract necessary information.