

# PROG8570 Final Project

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This final project is to be done in groups of 2-3. It will be out of 20 marks. In your groups, you can decide the theme and purpose of your web application.

The breakdown is as follows:

1. Your webpage should have a header/navigation bar (with a dropdown menu), sidebar, footer, and main content area. [3 marks]
2. You must have an external CSS file, use a custom font, and use jQuery. [1 mark]
3. You must have a login page with validation on the fields for email and password (minimum 8 characters, and must have a capital letter, number and special character). [3 marks]
4. You need to display data in 4 different ways:
  - a. A line graph [1 mark]
  - b. A bar graph [1 mark]
  - c. A pie graph [1 mark]
  - d. A table [1 mark]
5. For the displays in #4, 2 of them should be loaded from a local json file, and the other 2 should be from an API. [2 marks]
6. Include animations on your page. [1 mark]
7. Make the page mobile compatible for screen size width < 500 px. [2 marks]
8. Make the page visually appealing. [2 marks]
9. Presentation/Creativity [2 marks]
  - a. Challenge yourself and try out something new – get creative!