

SPRINT 1 Plan: Digi Guess

Digi Netters

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Goal: For our sprint 1 we want to achieve designing a simple, easy to use website that allows people to draw a single number and have the website accurately guess the number using Jose's previously made model. Also we want to create a neural net that can guess numbers.

- ! **User Story 1:** As a user, I'd like and easy to use website.
 - o **Task 1:** Use bootstrap to make a simple web design. (2)
 - o **Task 2:** Use descriptive labels so the user understands the layout of the website. (1)
- ! **User Story 2:** As a student on this project, I want to learn more about machine learning and build my own neural net.
 - o **Task 1:** Read through the tutorials online to get a better understanding on how to create the neural net. (4)
 - o **Task 2:** Start coding up the neural net. (2)
 - o **Task 3:** Tweak parameters to create accurate neural net. (6)
- ! **User Story 3:** As someone who visits the website, I want to be able to draw a number and have the website accurately guess the number.
 - o **Task 1:** Design a drawable canvas element.
 - o **Task 2:** Preprocess the image into a usable matrix.
 - o **Task 3:** Communicate front end to back end.
 - o **Task 4:** Display results from back end in an easy to read format with a fast response.

