# CS 340 README Template

## About the Project/Project Title

The finished project includes a dashboard that displays a data table with information about the animals in the database, a geolocation chart with the ability to show where an animal selected from the table is located, and a pie chart that shows what proportion of the animals and breeds in the data table. The data table can be updated through radio items.

## Motivation

By using a dashboard, users will be able to easily select and view a group of animals. The callbacks will update the graph and chart automatically with the user’s selection.

## Getting Started

To use the geolocation graph, the user can select a row on the data table and it will automatically pull up where the selected animal is located. The pie chart only updates after the radio item is changed, which will also update the data table and geolocation graph.

## Tools and rationale

MongoDB was used as the model component of the development as a bridge between the client side and the database. MongoDB has capabilities that make it easier to access and modify database information and can be connected to the dashboard so that users can access these features.

The Dash framework provides the view and controller structure for the web application by using callbacks to call specific functions to update the client’s view.

## Usage

### Screenshots

Functionality:

Initial loading:A screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generated

User selects Water Rescue option:A screenshot of a computer

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User selects Mountain or Wilderness Rescue option:A screenshot of a computer

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User Selects Disaster or Individual Tracking option:A screenshot of a computer

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User selects Reset option:A screenshot of a computer

Description automatically generated

## Contact

Your name: Laci Walsh