## MOTIVATION

- This project built on skills that our team had learned in Web Development, Database, and Cloud Computing courses completed at OSU.
- The front end uses an HTML/CSS framework with Javascript and jQuery.
- Google Maps Javascript API enables all map functionality
- The back end uses Google Cloud Platform and Google Datastore for the server and database. The server is built using Python.





ADAM SILVER
MARCELLA PETRUCCI

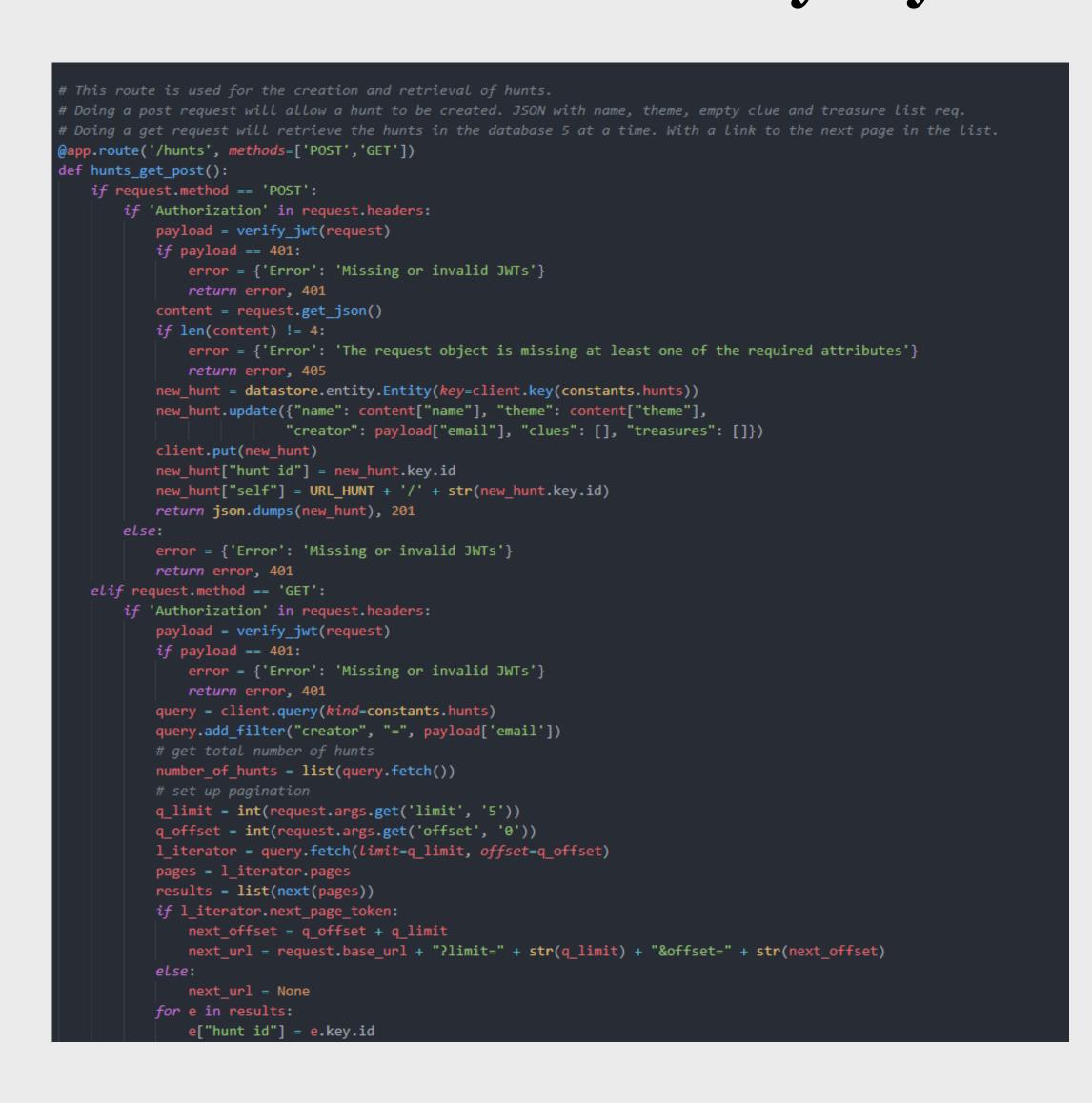
SILVERA@OREGONSTATE.EDU PETRUCMA@OREGONSTATE.EDU

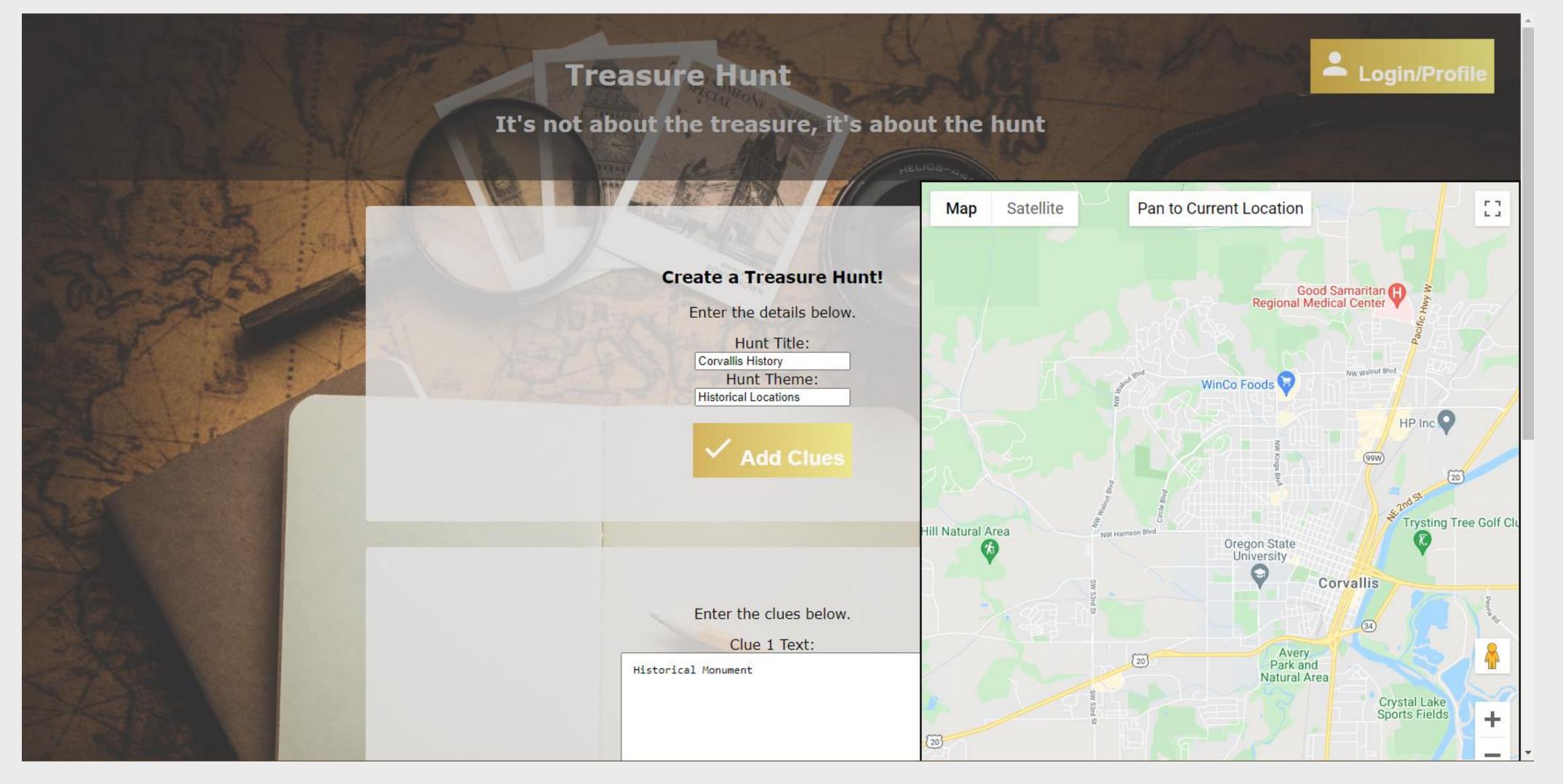
HTTPS://CS467-CAPSTONE.UW.R.APPSPOT.COM HTTPS://GITHUB.COM/QSILVER75 98/TREASURE\_HUNT\_APP



## TREASURE HUNT WEB APP

Treasure Hunt is a mobile webapp that reveals the treasures hidden all around us. Create a treasure hunt and send your friends and neighbors on an adventure. Play by solving clues to a treasured experience.





## DESCRIPTION

Treasure Hunt is a fun and interactive crowd sourced game that allows users to create a treasure hunt based on a historical area, local areas of cultural importance, or just a fun neighborhood themed adventure!

Users can create a hunt for others to enjoy, or simply play an already existing hunt in their area.

Creating a hunt is a simple process of entering the name and theme of your hunt, adding the text information and the location for each clue and the treasure.

To play a hunt, the user selects a hunt from the available hunts in their area. The "treasure map" and the first clue will be shown to the user. As the user approaches the solution location for the clue, they will receive the next clue.

A player completes the hunt by locating the treasure!

## **FEATURES**

- Users create credentials and log in using Google as an authentication medium using Google Oauth 2.0 and JSON web Tokens.
- Treasure Hunt webapp uses the Google Maps Javascript API to render a map that users interact with to during game play. The API is also used to find and update the user's location.
- The hunts and user information will be stored in a database on Google Cloud Platform.
- The server for the web app will be hosted on Google Cloud Platform as well.
- The interaction between the server and database will be done using a REST API from the front end by the user.

