

# CS 316 Project

## Progress Report: Milestone 2

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## New Assumptions & Database Changes

We have not made any new changes or adjustments to our database schema presented in our Milestone 1 Report

## Description of Selected Platform

We decided to use a python backend because that is the language that we are most familiar with. Our tech stack consists of using Sqlite 3 as our backend database with Flask as our framework because it provides simplicity, flexibility, and fine-grained control. Furthermore, there seems to be a lot of documentation on using Flask with python in the backend. We are using Figma to design our frontend and will be using React to build our UI.

## Changes Made During Performance Tuning

We originally decided to use Postgresql but pivoted to Sqlite 3 because it was simpler to integrate a Sqlite 3 database with Flask versus a Postgresql one. We faced challenges with our Environment table and had to modify our existing indexes to be able to successfully load in data into our database.