

**STATEMENT OF WORK**

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**Purpose of Project**

Create a travel website where users input data about their vacation habits. Based on the data input, website will recommend a destination to the user. The website will also recommend restaurants to visit in the city. This will be done using Amazon Web Services (AWS) and also utilizing additional resources.

**Key Assumptions**

* Utilization of APIs such as “TripAdvisor” to pull data on cities and restaurants to give the user their recommendation.
* Terraform will be used to construct the AWS architecture. The main services that will be utilized are Amazon Elastic Compute Cloud (EC2), Amazon Simple Storage Service (S3), and Amazon DynamoDB database. These services will work together to connect the user and store their data.
* GitHub will be used to pull the python code from the repository.

**Scope of Services**

Functional website that can take in user input and make API calls to give the user locations or restaurants to visit. A database will track user input and store it for later use.

**Milestones**

1. 4/14 - Create python code for making API calls and gathering user data
2. 4/27 - Creating AWS infrastructure
3. 5/12 - Architecture fully deployed

**Level of Effort**

The project will consist of three sprints all lasting for 2 weeks. Each week the team will focus on a different milestone. It is expected that a total of 18 hours every 2 weeks will be spent on the development. In total, this will be 54 hours over the 6-week period.

