

## Project Statement

This project demo allows users to navigate destinations records, and the logged restaurants at each destination. This project added new features of: restaurant page, most views and wishlist. The newly added features used Redis as in-memory key-value storage.

### Rules

#### Navigation Bar:

Direct users to destination lists, most viewed destinations, and this wishlist added by user.

#### Manager page:

Users can add destination, and it's state;

Users can search destination in the search bar;

Users can choose edit and delete destination in the manager page, clicking "Edit" will direct user to edit destination page.

#### Edit Destination Page:

Users can update destinations and state with give state ID;

User can delete destinations with delete button;

User can add this destination to the wishlist;

Users can add and delete restaurants under the specific destination;

Users can click link of restaurants and directed to restaurant info page.

#### Restaurants Page:

This page display restaurant information of average rating and average cost.

#### Most Views:

This page listed destinations were viewed most frequently on the website in descending order.

#### Wishlist:

This Page listed destinations added by user.

### Data Structure

Both Most-views and wishlist are logged with Redis sorted sets. Key is "Destination-Name-Location", value is the score of total clicking events.

Restaurant reviews were stores with key- attribute interested in, value-data of the attriubute. No cache middleware applied at this point.

## Conceptual Modeling:

