**Project Statement**

This project demo allows users to navigate destinations records, and the logged restaurants at each destination.

**Rules**:

Navigation Bar: Direct users to restaurants list and destination lists.

**Manager page:**

Users can add destination, and it’s state with given state ID(see appendix 1);

Users can search destination in the search bar;

Users can edit and delete destination in the manager pag, 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;

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, average cost, and reviews from other users.

**Conceptual Modeling:**

Diagram

Description automatically generated

**Logical Modeling:**

Diagram

Description automatically generated

**Relational Schema:**

Destinations(DestID, Destination, *StateID*)

DestID🡪Destinations

States(StateID, *State*)

StateID🡪State

Restaurants(RestID, RestName, *DestID*)

RestID🡪RestName

DestID🡪RestID

Restaurants located at specific Destinations, it’s one to mange relationship(one destination can have many restaurant) and this is constrained as foreign key.

Reviews(ReviewID, *UserID, RestID,* Rating, cost, comments)

ReviewID🡪 UserID, RestID, Rating, cost, comments

Users(UserID, username, email, gender, address, birthday, *visitID*)

UserID🡪username, email, gender, address, birthday, visitID

User\_Destinations(VisitID, *UserID, DestID*)

VisitID 🡪UserID, DestID

Users and Destination is many to many relationship, user\_Destination table is used to track.

**Appendix 1 StateID and State information lookup**

|  |  |
| --- | --- |
| 1 | CA |
| 2 | CT |
| 3 | OH |
| 4 | MO |
| 5 | DC |
| 6 | PA |
| 7 | WA |
| 8 | AZ |
| 9 | NV |
| 10 | NY |
| 11 | RI |
| 12 | NC |
| 13 | FL |
| 14 | TX |
| 15 | VA |
| 16 | MA |
| 17 | AL |
| 18 | TN |
| 19 | MI |
| 20 | OK |
| 21 | CO |
| 22 | IL |