



EZ Itinerary

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The Problem:

Planning a vacation is hard!



Our Solution: EZ Itinerary



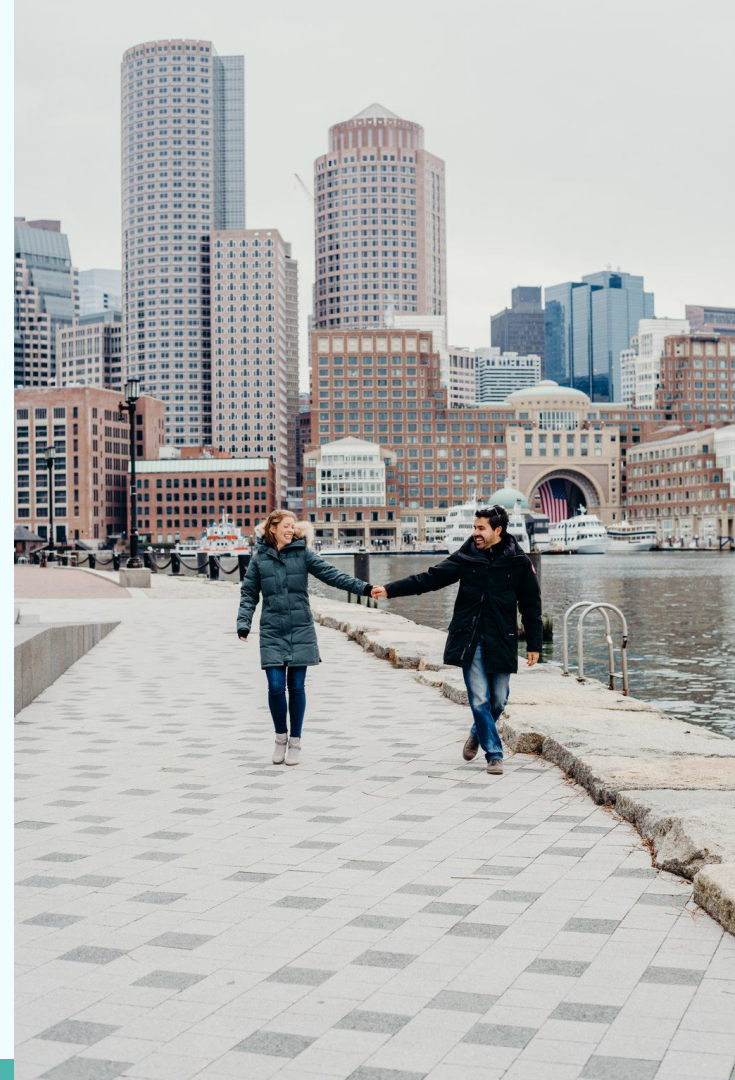
Significance

- By making Boston vacations easier to plan, EZ itinerary could:
 - Increase travel
 - Boost the local economy
 - Alleviate travel stress
 - Keep travelers organized



Goals of the Database

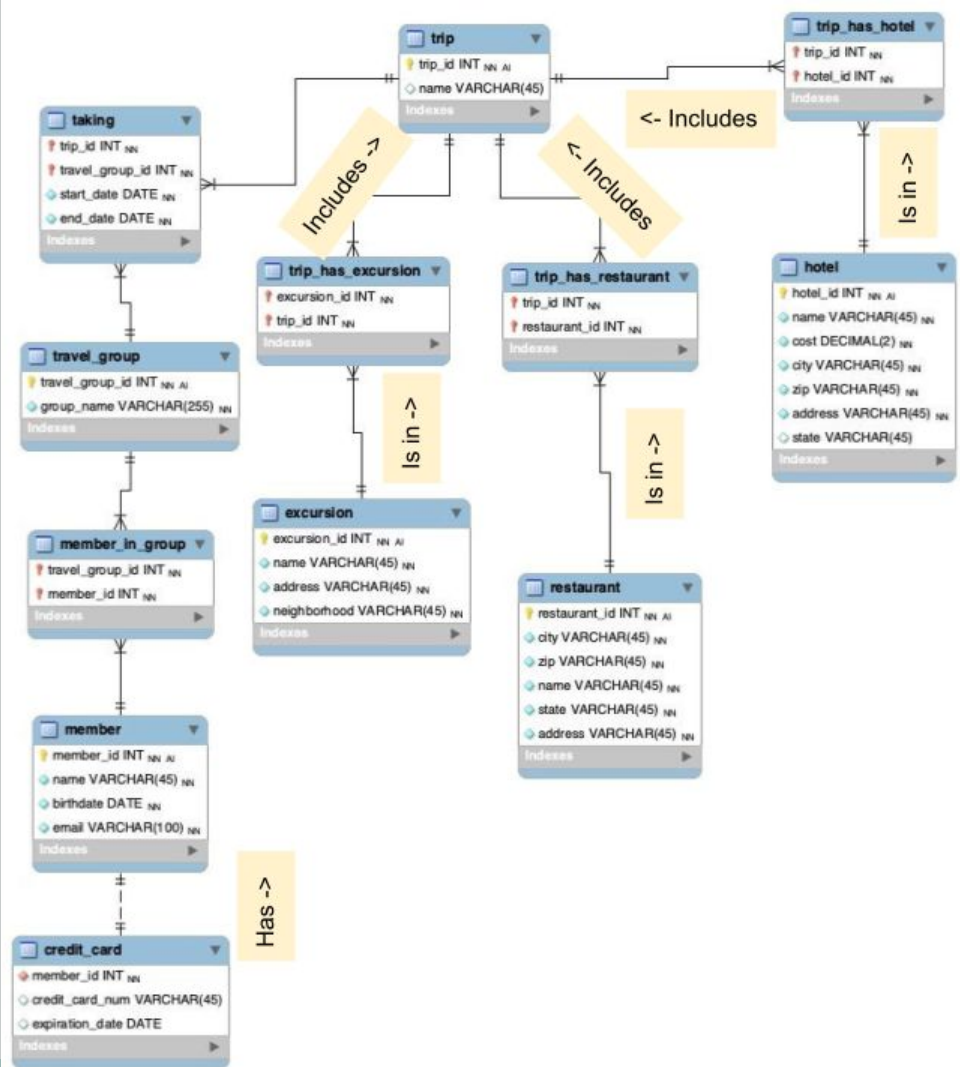
- provide users with an app connecting them with a database full of essential information about the Boston area
- simplify the travel planning process!
- Allow users to:
 - Input and view information about past trips
 - Plan future trips
 - Join / view groups of other travelers



Included Data

- Real world data:
 - Restaurants → Analyze Boston's Active Food Establishment API
 - Excursions → Analyze Boston's Boston Landmark Commission database
 - Hotels → Trip Advisor
- Randomly generated data:
 - Travel groups
 - Credit cards
 - Members
 - Trips





Database Design

Stored Procedures

```
drop procedure if exists view_group_members;

delimiter //
CREATE PROCEDURE view_group_members
(
    IN group_name_param VARCHAR(255)
)
BEGIN
    SELECT * FROM `member` WHERE member_id IN
        (SELECT member_id FROM member_in_group
        WHERE travel_group_id =
            (SELECT travel_group_id FROM travel_group
            WHERE group_name = group_name_param));
END //

delimiter ;
```

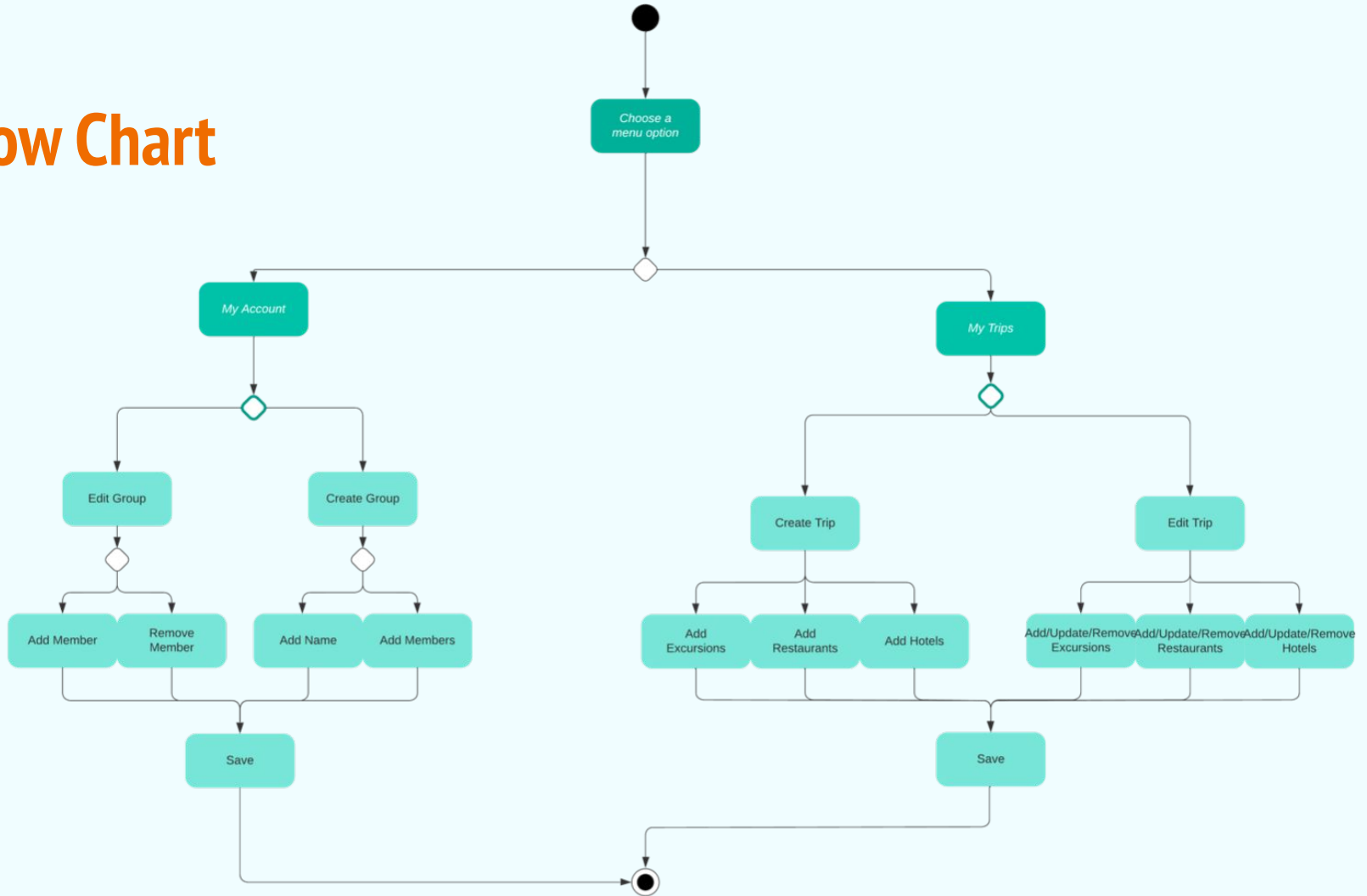
20+ total stored procedures

```
drop procedure if exists create_trip;

delimiter //
CREATE PROCEDURE create_trip
(
    IN group_name_param VARCHAR(255),
    IN trip_name_param VARCHAR(255),
    IN start_date_param DATE,
    IN end_date_param DATE
)
BEGIN
    INSERT INTO trip (name) VALUES
        (trip_name_param);
    INSERT INTO taking(trip_id, travel_group_id, start_date, end_date) VALUES
        ( (SELECT trip_id FROM trip WHERE name = trip_name_param),
        (SELECT travel_group_id FROM travel_group
        WHERE group_name = group_name_param),
        start_date_param, end_date_param
        );
END //

delimiter ;
```


Flow Chart



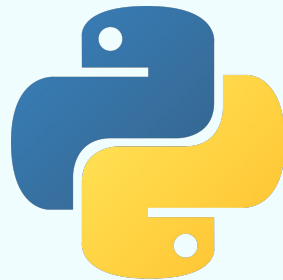
Application

- Two main pages
 - Groups
 - Trips
- Allow users to:
 - View
 - Edit
 - Create



Flask

web development,
one drop at a time



MySQL®

App Demo