INTRODUCING ITINERARY+

CREATING ITINERARIES REDEFINED. DISCOVER THE WORLD WITH ITINERARY+

MADE BY SAMVID

Brief Description

Itinerary+ is an application that is built to help you plan your trips easily. Your itineraries are stored on the server instead of your computer for easy access anywhere in the world. Discovering the world requires good planning, and Itinerary+ can help you do just that.

THREE TIERS

Most Applications Use a structure that contains 3 tiers. **Client**, **Server**, and **Database**

Client Tier

- The Client Tier is the tier that the user sees.
- Can be website, mobile app, etc.
- In this case it was a website, but it can be easily expanded to be accompanied by another client

- As the Client Tier consists only of a website, it is written in HTML, CSS, and Javascript
- HTML is for the layout
- CSS for the Styling
- Javascript for the client side logic

Client Tier

- In programing people also use packages or libraries.
- They help shorten code and help programers focus on other things
- I used to libraries, bootstrap and jQuery
- Bootstrap is a CSS library which can help beautify the User Interface
- jQuery is Javascript library. It helps do actions quicker than it would be if we had to write only in Javascript. It also provides functions for Ajax.

Server Tier

- The Server Tier is the tier that includes the server
- It hosts websites and also provides apis to be used in the client tier
- It can be hosted with a lot of different libraries and languages
- It allows communication between the client tier and the database tier

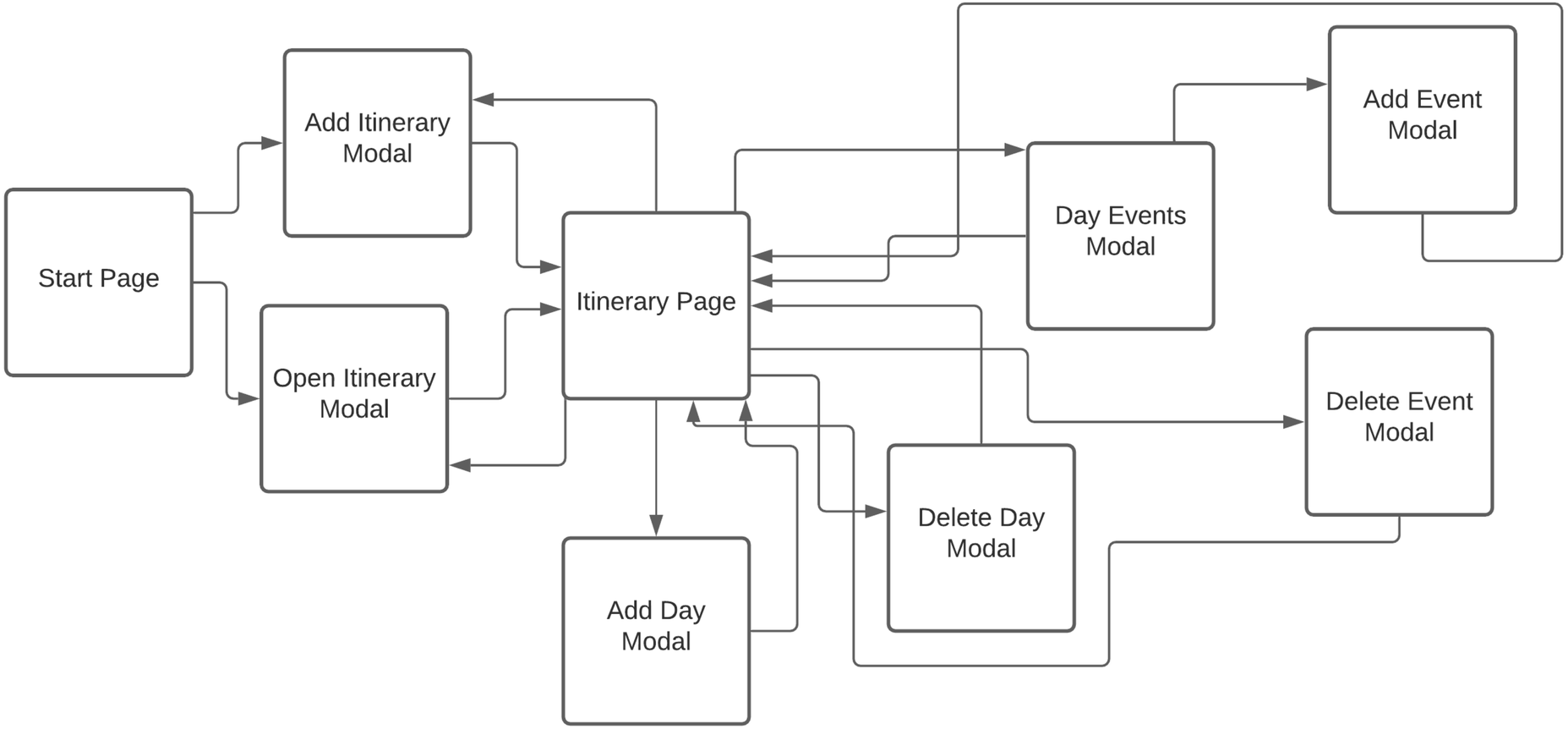
- I wrote my Server tier with Python
- Flask is the library I used to host the website and apis
- Jinja is a template rendering engine. I used it to generate parts of my website

Database Tier

- The Database Tier is the tier that includes the database
- It is where data related to the application is stored
- There are many different types of databases
- It can be accessed from the server tier, then be sent to the Client tier

- My Database tier is a sqlite3 database file
- It is free and is included with python

Flowchart


Start Page
Add Itinerary Modal
Open Itinerary Modal
Itinerary Page
Add Day Modal
Day Events Modal
Add Event Modal
Delete Day Modal
Delete Event Modal

Credits

In Website

Taj Mahal:

By Joel Godwin - Own work, CC BY-SA 4.0, https://commons.wikimedia.org/w/index.php?curid=59621210

Golden Gate Bridge:

By Rich Niewiroski Jr. - http://www.projectrich.com/gallery, CC BY 2.5, https://commons.wikimedia.org/w/index.php?curid=1520007

Favicon

Made by https://www.flaticon.com/authors/mynamepong (mynamepong) from https://www.flaticon.com/ (flaticon)

In Documentation

HTML, CSS, and JS logos

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Bootstrap Logo

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Sqlite3 Logo

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