

*PROGRAMMING FOR DATA SCIENTISTS: PYTHON*

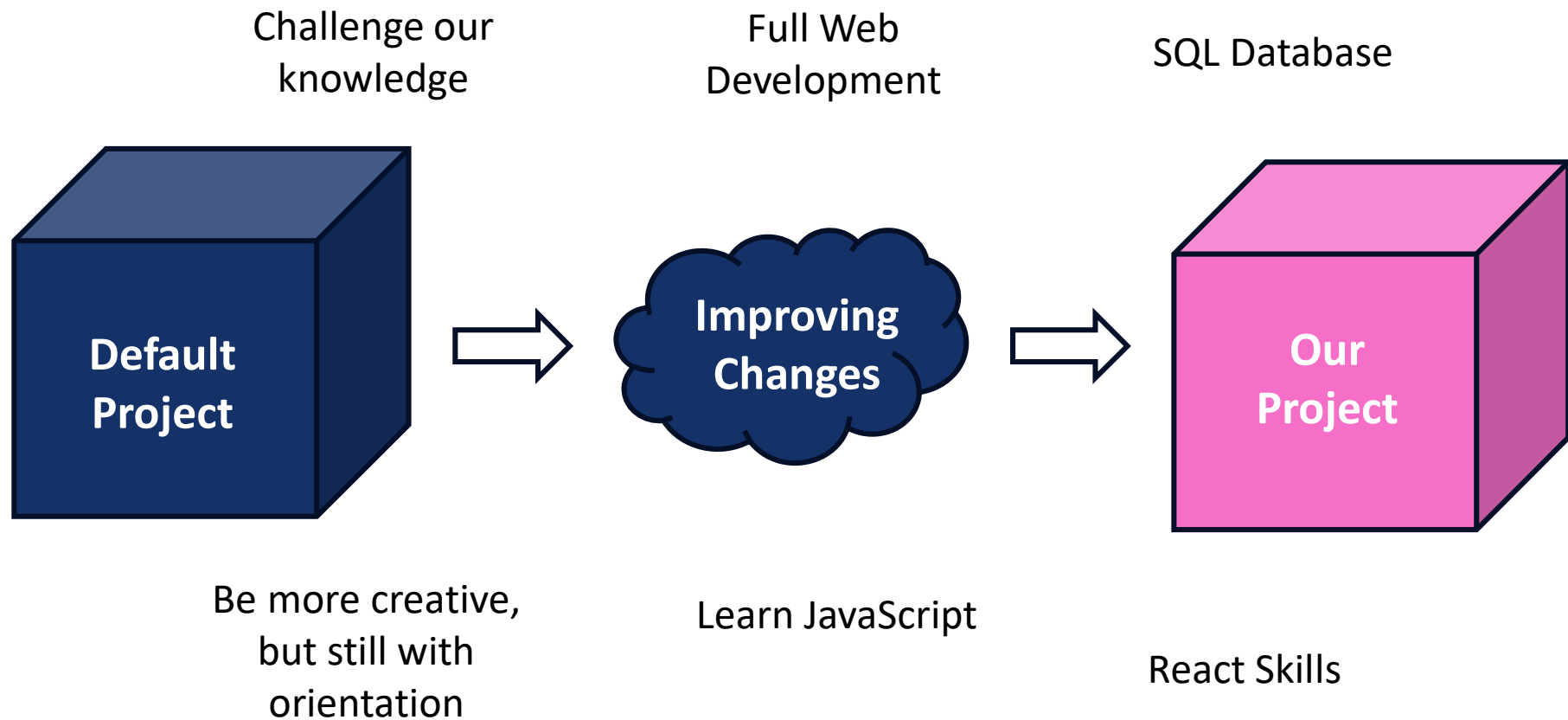
# Popcorn & Code

## The Smart Seat Reservation

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# Introduction & Motivation



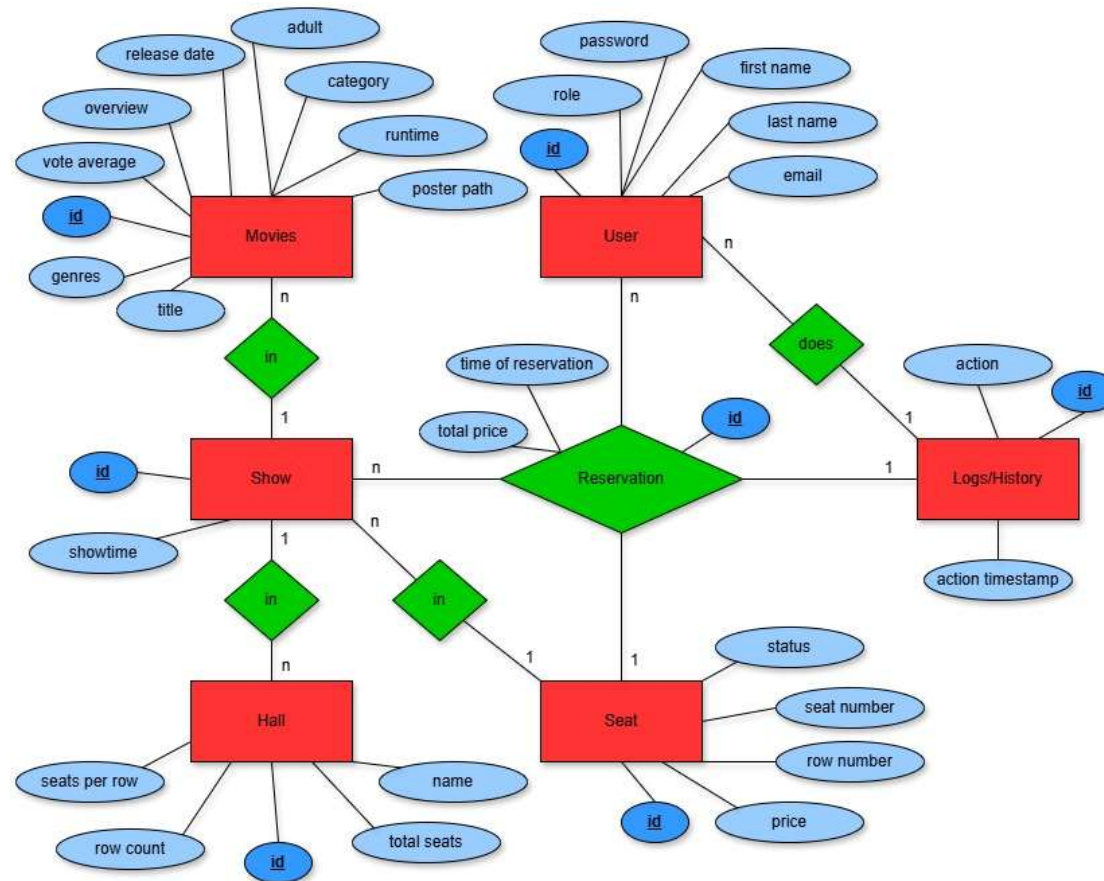
# Objective

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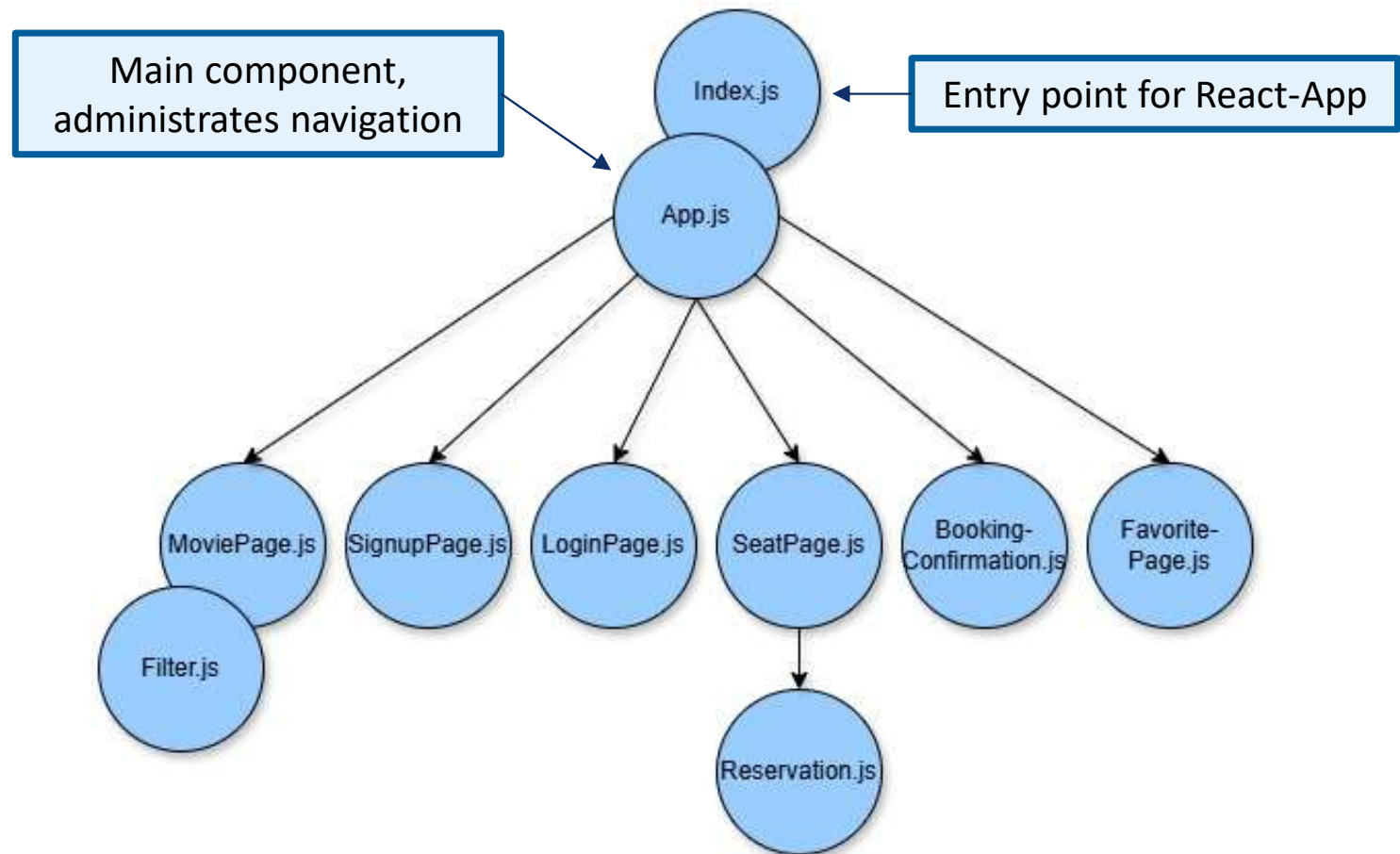
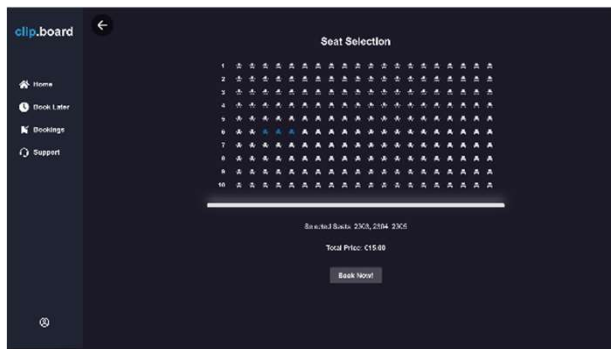
The goal of this project is to implement a seat reservation system for a cinema consisting of:

- SQLite Database for data storage
- Backend based on Flask
- Frontend based on React and React Router
- Statistical analysis of reservations

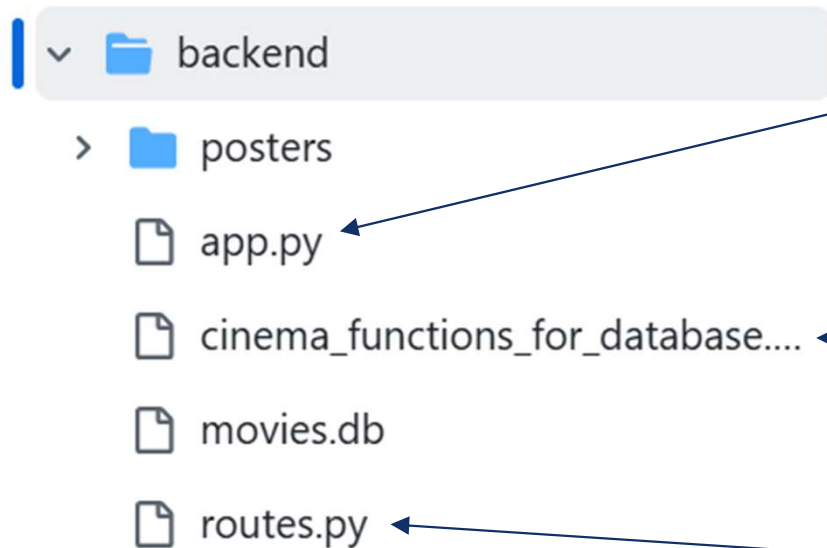
# SQLite Database Design



# Frontend



# Backend



## Main Application

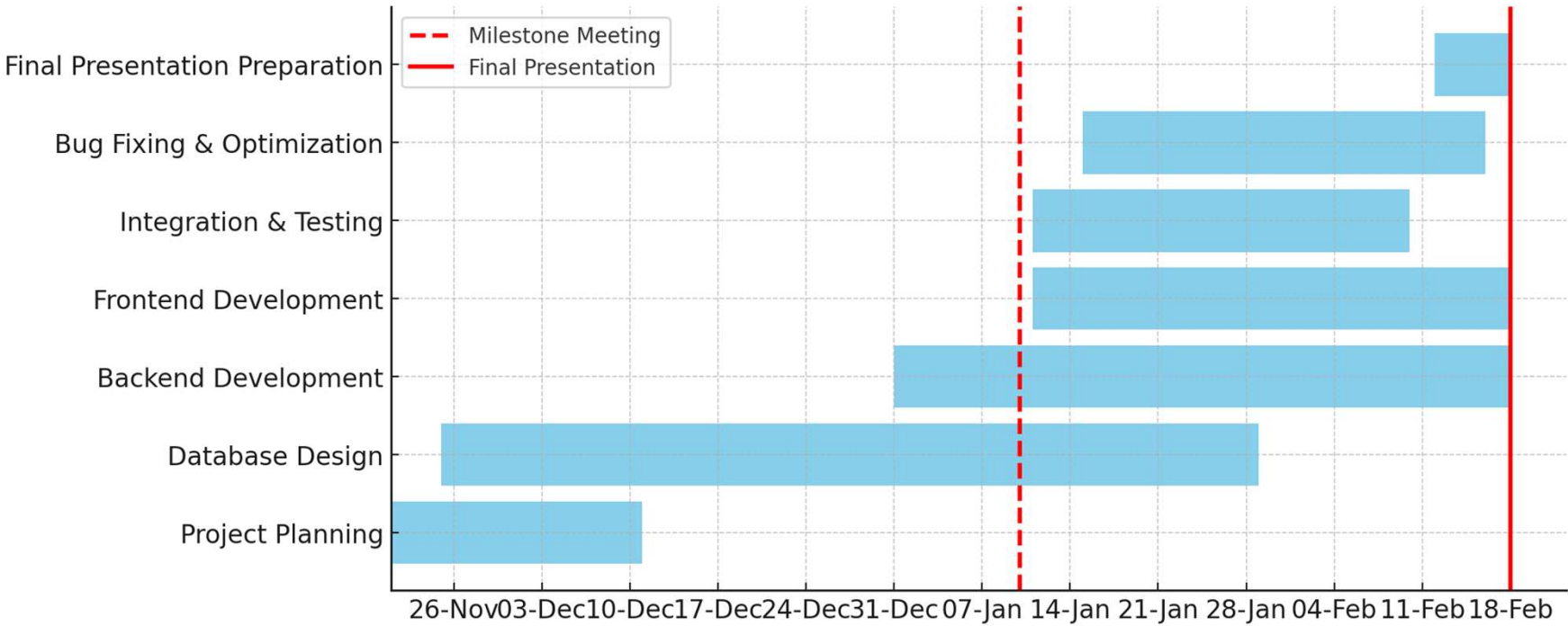
- Starts Flask-Server and connects modules
- Flask & CORS allows API requests from frontend
- Uses SQLite for data handling

## Functions for administration of database

## API routes

- Defines endpoints for login, reservation, etc.

# Project Timeline



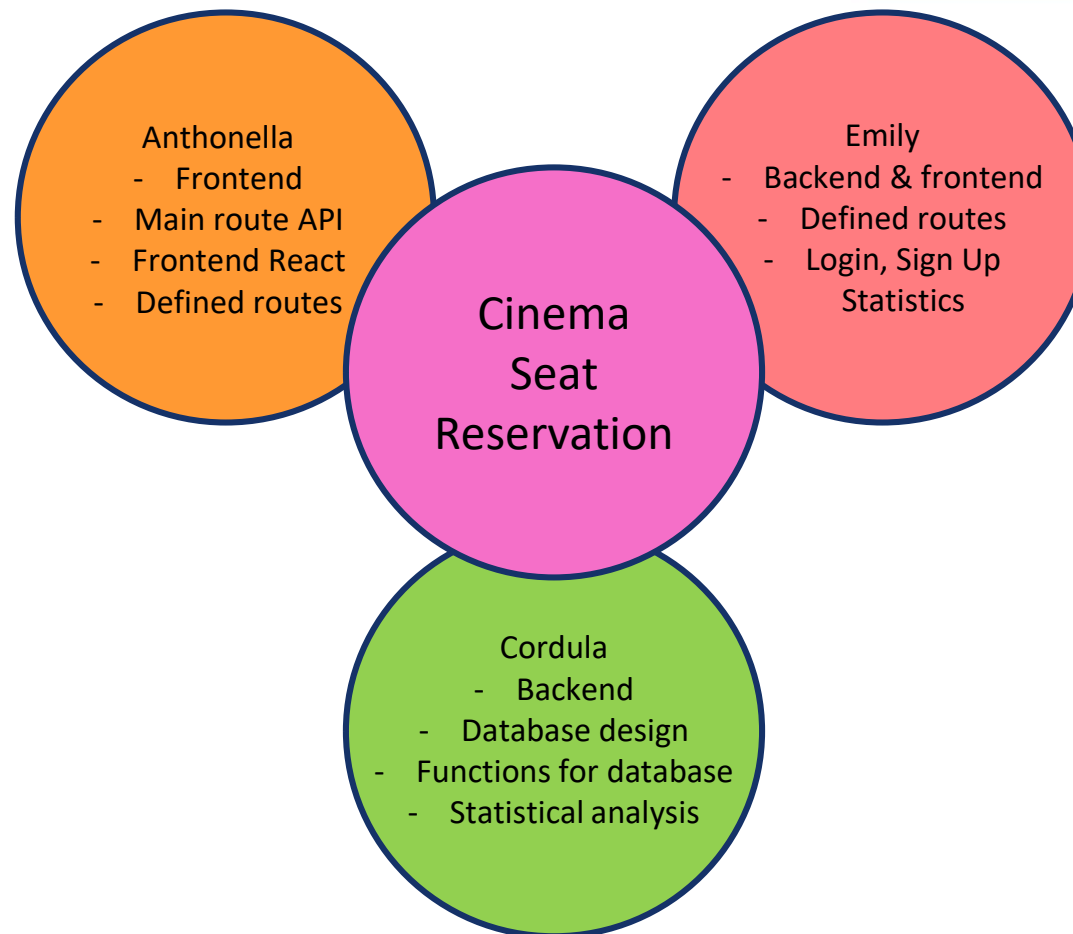
# Project Timeline - Reality





# Contributions

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# References

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The movie API: <https://www.themoviedb.org/>

See AI Usage Cards in GitHub.

Let's reserve some seats!



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Scientific Information Analytics