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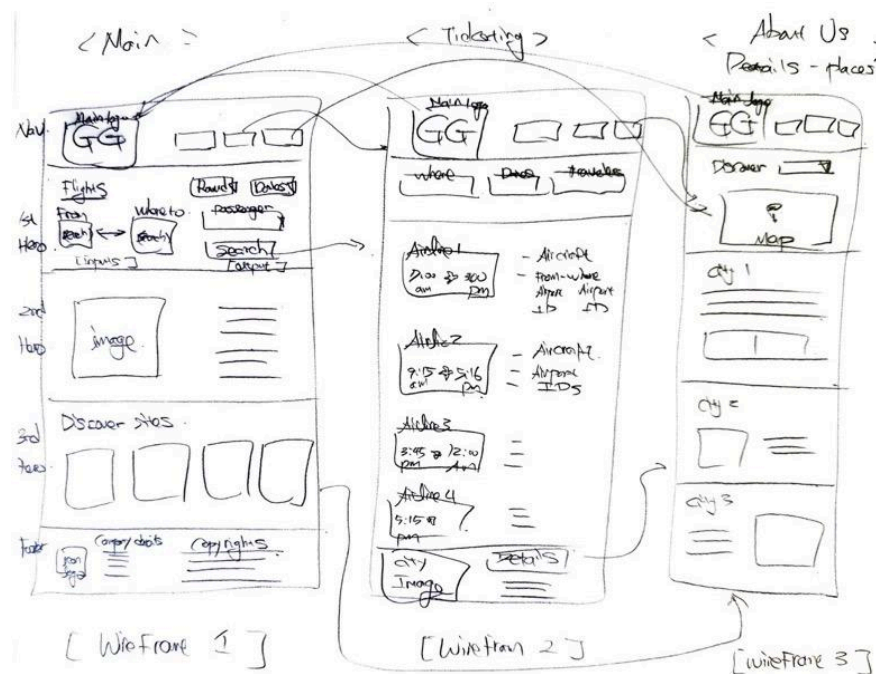
CMS - 375 Database Design & Dev

Mar 27, 2024

Objectives: The purpose of this assignment is to plan and prepare your project.

1. Plan and have a detailed sketch of your project venture's website. You can draw by hand or using any tool. The drawing/sketch will include:

- How your start page will look like, on the page on which location you will add any button, text box, pictures etc. what would be input and what would be output.
- Then the next linkage pages and so on.
- Provide as much detail as possible.
- Mention who designs what pages



Main/Start Page [Flight Search]

Sanghun Park

- Header with project name “Globe Guidance”
- Navigation bar with links to Home, Ticket, Destinations
- First Hero sections with searching for flight
- Second Hero sections with a catchy image and brief slogan
- Third Hero sections with a slide of images about places details
- Footer with some information links and copyrights

Reservation Page [Ticket Purchase]

Fredrik Bang-andreasen

- Header and Navigation bar (same as start page)
- Flight Information for different airlines
- Brief more details about the city to travel and connects to destination page

Destinations Page [Travel places details]

Jack Filipanits

- Header and Navigation bar (same as start page)
- Filters sidebar of different cities
- Grid layout to display destination cards
- Each card displays destination image, name, and brief description

2. (a) Provide a relational schema of your database (What would be tables and the columns, with primary keys)

1. Table name: Airlines

- AirlineID (Primary Key)
- AirlineName
- IATACode

2. Table name: Airports

- AirportID (Primary Key)
- AirportName
- City
- Country
- IATACode

3. Table name: Aircraft

- AircraftID (Primary Key)
- AircraftType
- Capacity

4. Table name: Flights

- FlightID (Primary Key)
- FlightNumber
- AirlineID
- OriginAirportID

- DestinationAirportID
- DepartureTime
- ArrivalTime
- AircraftID

5. Table name: Passengers

- PassengerID(Primary Key)
- FirstName
- LastName
- Email

6. Table name: Reservations

- Reservations(Primary Key)
- PassengerID
- FlightID
- SeatNumber

The next stage should be done collaboratively on GitHub

(b) Create a database and insert at least 10 sample data for each table

(c) Create necessary SQL and .php files and push your work to GitHub

(d) Finally download the SQL and .php files from GitHub and upload on Canvas.

(e) On the SQL and .php file add the authors name as comments on the blocks of codes they contributed.