

Data Plan

How data will be stored?

- Data should be stored on a database where separation will be required between each as for security reasons
 - An example is that the customer details shall be in a single row

What data will be sent?

- Usernames and passwords, also keeping a counter for incorrect attempts.
- User account details: personal, banking (maybe?), current booking details, previous bookings (maybe)
- Business account details:
 - Professional/Corporate details
 - Business Name
 - Direct business website information
 - Booking interaction with business connection(sometimes companies have their own booking services so to make up another interface from our website)
 - hotel details
 - Name
 - Location
 - Hotel value
 - Housing
 - Additional services
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- Hotel information: rooms, cost, availability based on bookings made

What data processing is needed?

Server-side processing

- When searching/filtering for hotel searching; this will be done on server side to minimising reliance on client computer
- Searching for usernames then confirming correct password
- Some processing feature which will convert from the searched list of hotel rooms to pins on the google map api
- Adding to cookie the changes e.g. bookings to cart not yet bought
- Getting openID for other API login details

Client-side processing

- Cookie will note session searches (optional)
- Cookie expiration once process is closed

Interactions between client and server?

Client to Server interactions

- Creating an account will require the data to be packaged and set up, so that the server can add the data to the database

- Logging in is a client to server to client interaction, where input is sent to the server
- Booking a room will require the client to send data to the server so that the hotel data is altered

Server to Client interactions

- Counter incrementation when failed attempts to log in
- Fetch data requirements for the client if the client details match the database
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