PES UNIVERSITY

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Department of Computer Science
Software

Engineering LAB

TASKS

Team Members

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Problem Statement – 1:

Your new software project is a product delivery platform. As a part of project initiation and approval you are required to perform and note down a thorough competitor analysis. (Some companies with a product delivery platform are Unbxd, Algolia etc.)

After your analysis, you are expected to do the following exercise as a part of risk management.

- What could cause a miss in your deadline?
- What will keep your project ontime?
- What does this project need that you don't have?
- What do you already have that this project needs?
- What are you worried about?
- What are you excited about?
- What could go wrong with thisproject?
- What could go right with this project?

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What could cause a miss in your deadline?	What will keep your project on time?	What does this project need that you don't have?
Unrealistic deadlines	Break Down the Project into Smaller Tasks	Means to physicaly deliver the requested products
multiple projects	Review the Project's Progress Frequently	Customer feedback and complaints logging system
Shifting Project Requirements	Coordinate and Communicate	24/7 help desk - for any queries related to the order
Uncommitted Stakeholders	Determine the Project's Scope and Objectives	

What do you already have that this project needs?	What are you worried about?	What are you excited about?
Website to accept product delivery requests	Handling large loads - large number of requests at a time	The UI experience being offered for making the requests
Algorithm to select and forward request to nearest delivery personal near the destination	Entering the wrong delivery address	The site being active 24/7
Choosing delivery path to minimize the work of the delivery personal and deliver requested goods in the most efficient manner possible	Human errors as a result of poorly managed multi-tasking (during delivery)	Providing better customer service

Delivery status tracking		Improving relationships between us and business

What could go wrong with this project?	What could go right with this project?
The site going down due to large work load	Successfully catering to all the requests made in a fast manner
Delayed delivery	Successfully delivering the orderd product
Lesser seasonal demands	100% customer satisfaction with the speed and safety of the product delivery

Risks :

- Site going down due to increase work load.
- Human error while entering in details
- Not able to track the orders
- handling return deliveries and lost or damaged orders
- Delayed delivery

Successes :

- Handle large workload without the website crashing
- Proper entry of details
- 24/7 order tracking services
- handling cancelations and return orders effeciently
- Fast and effecient delivery

Problem Statement – 3:

Explore the MakeMyTrip website https://www.makemytrip.com/.

Write the minispecs and draw the top level DFD, first level decomposition and second level composition for the MakeMyTrip website.
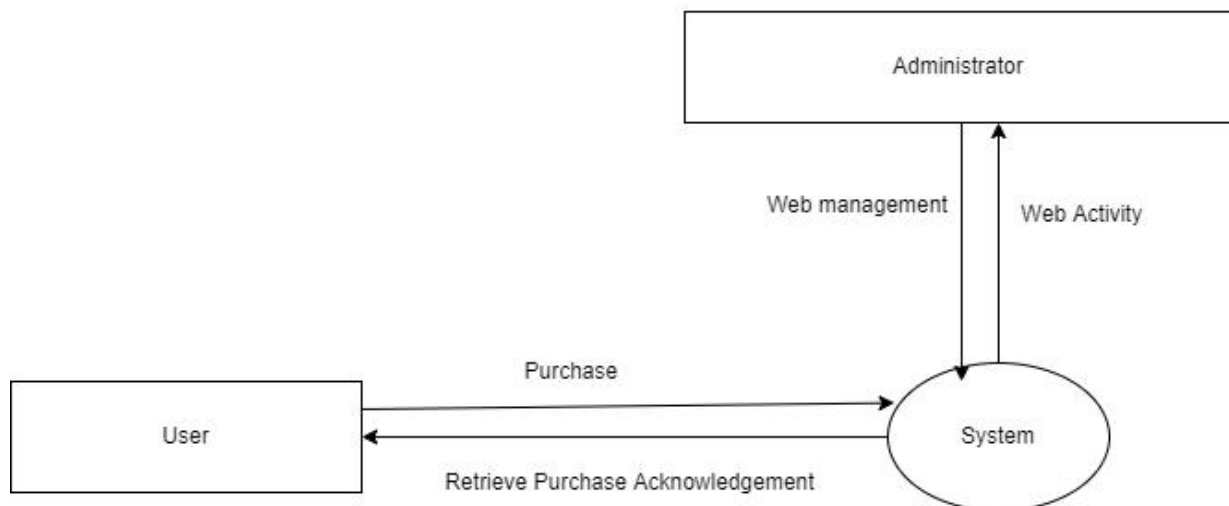
Contribution -   KARAN CHOUHAN D
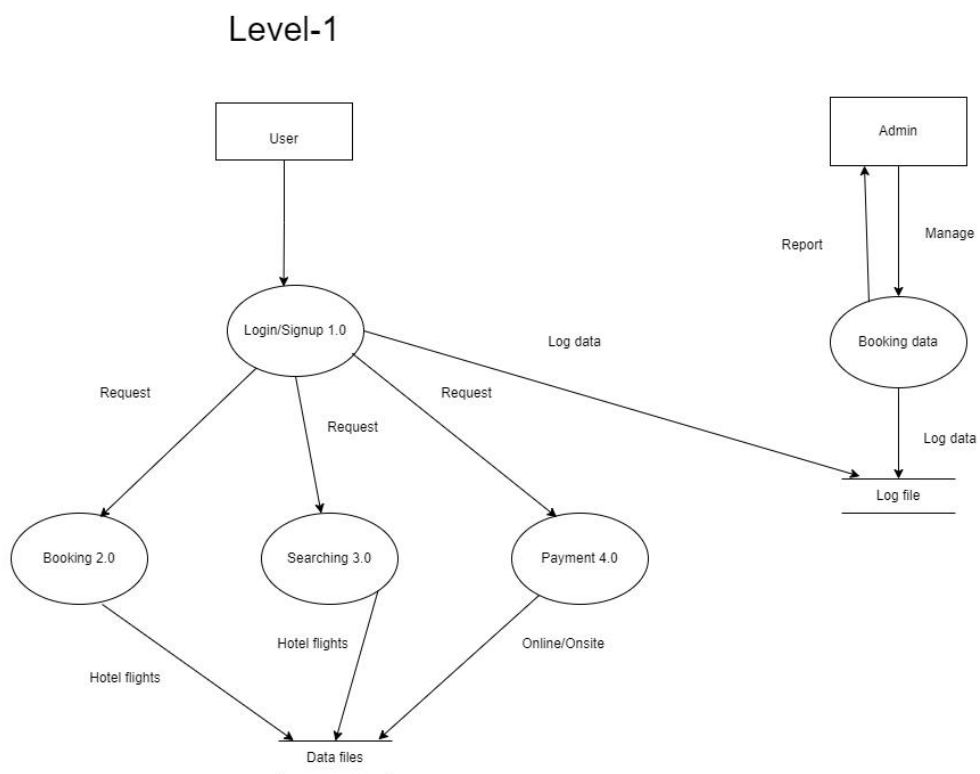PES2UG20CS437

J.P.DANIEL CHRISTOPHER   **PES2UG20CS433**

Top level DFD

First Level Decomposition

Level-1

Second Level Decomposition

Level-2

Database

request

Check Client data — Ok → Booking 2.0

Booking 2.0 → Cancel 2.1

Booking 2.0 → Reschedule 2.2

Searching 3.0 → Flights 3.1

Searching 3.0 → Hotels 3.2

Searching 3.0 → Filters 3.3

Payment 4.0 → Online 4.1

Payment 4.0 → Onsite 4.2