PES UNIVERSITY
Software engineering assignment-2

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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. On the digital document or paper, add columns with the following headers:
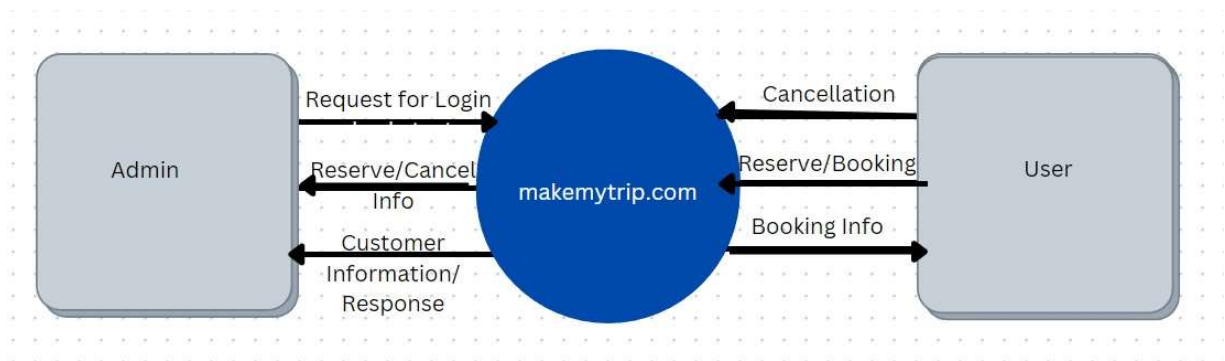
What could cause a miss in your deadline?	When requirements are not clear	When feasibility study not done properly	When proper planning on the workflow and algorithm to be used isn't done	When skilled developers are not available
What will keep your project on time?	Agile philosophy with weekly meetings.	Following Sprint and SCRUM ideologies	Include pair programming , debugging and testing efficiently	WBS and keep track of each developer's progress

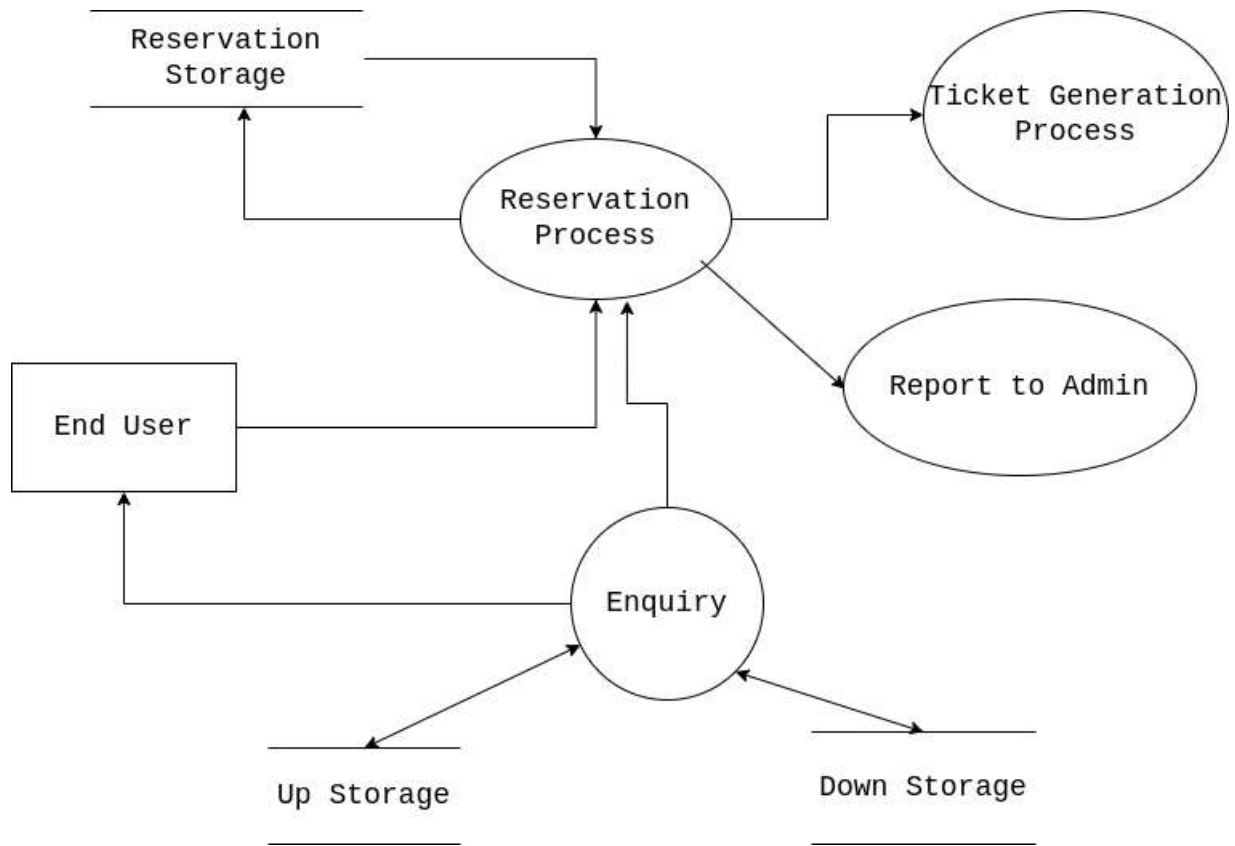| What does this project need that you don't have?	Skills to cut down costs,profitability and still be able to maintain quality of product	Skill to work with new technologies efficiently	To understand the requirements of the society and make it as user friendly as possible	Risk management
What do you already have that this project needs?	Great coordination between team members	Detailed project plan about the workflow	Requirements and objectives are clear and unambiguous	Feasibility is clear
What are you worried about?	In case of inability to fix bugs in a short turnaround time	In case the planned algorithm is not working well to meet the requirements	In case of sudden lack of skilled developers or testers	If there is a lack of coordination among team members
What are you excited about?	Adding on more features for customer satisfaction	Implementing software engineering principles to meet the required deliverables	Working with new technologies and a new team	Regular communication with the user to satisfy their needs
What could go wrong with this project ?	Working with new technologies	Delivering the project within the specified time	Not analyzing the budget required properly	Inability in delivering the required features as promised
What could go right with this project?	Bug free product if it is fixed immediately before deployment	User-friendly product	Project brings relevant benefits to the entity concerned	Meeting at least the basic user requirements by prioritizing tasks

Problem Statement -2

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.

TOP LEVEL DFD-

FIRST LEVEL DECOMPOSITION-

SECOND LEVEL DECOMPOSITION-