



Software Project Management - Lab 4

Hospital Management System

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Part 1 - Risks Associated with Activities:

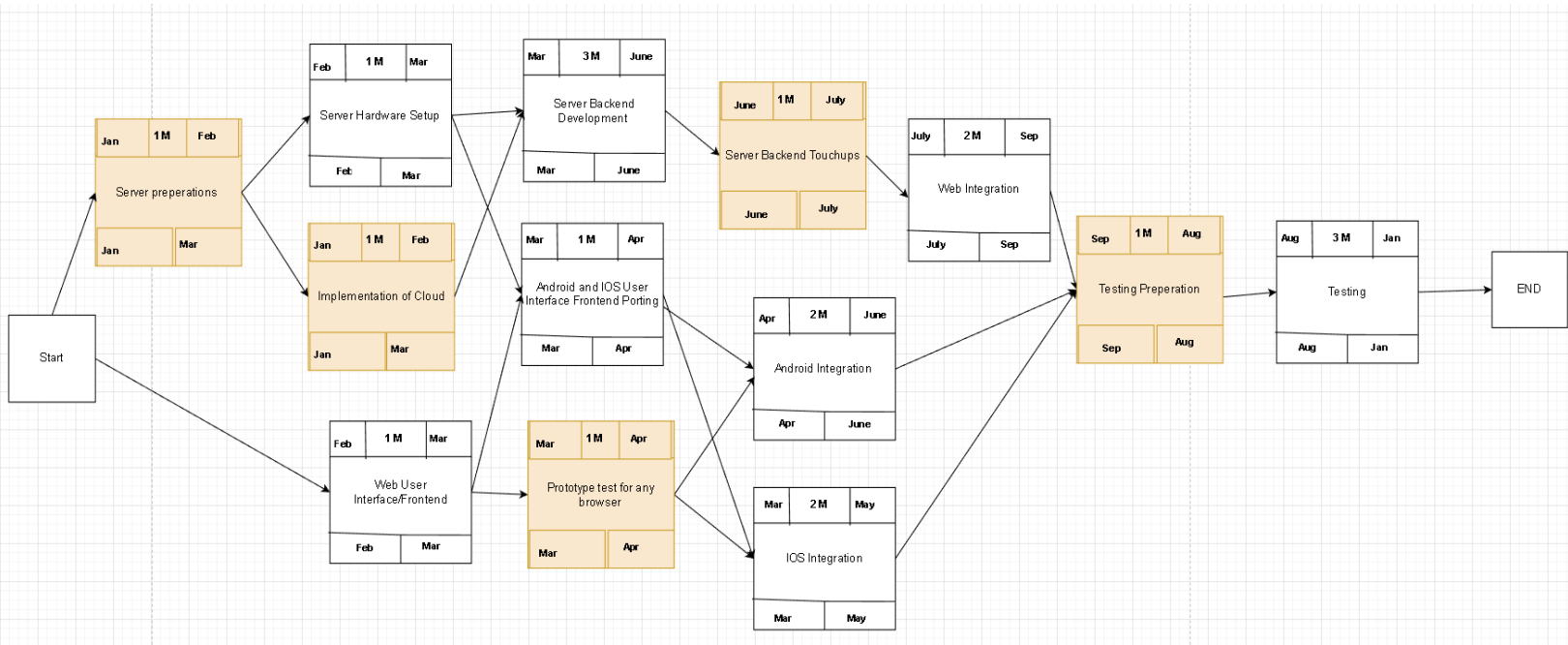
Task / Activity	Risks	Risk Countermeasures
Server hardware setup	<ul style="list-style-type: none">- Expensive- hard to use	<ul style="list-style-type: none">- Stay within budget and buy reliable hardware.- Make sure that the team is familiar with the hardwares being used.
Web user interface/frontend	<ul style="list-style-type: none">- Not designed well- hard to understand for the user	<ul style="list-style-type: none">- Create a simple software that is well designed for the users. Yo do so, hiring good developers is essential
Android and IOS user interface frontend porting	<ul style="list-style-type: none">- hackers hacking the system	<ul style="list-style-type: none">- Higher good cybersecurity team- Make sure no sensitive information is required on the application.
Testing	<ul style="list-style-type: none">- Many problems when debugging.- The team isn't testing for client requirements.	<ul style="list-style-type: none">- Know and understand client requirements.- Higher good developers that understand how to test and debug a software

Part 2 - Team Resources:




















Team Members	Role	Tasks
Faisal Alsheets	Web Developer	<ul style="list-style-type: none">> User Interface design> Website integration to other systems> Chrome, Firefox, and MS Edge interoperability> Cloud and server deployment for databases
Ahmed Darwish	Application Tester	<ul style="list-style-type: none">> Testing overall integrity of website source code> Security testing (vulnerability management & pen-testing)> Testing server database operations> Testing extensions and operation of different web browsers
Waddah Saleh	Mobile Application Developer	<ul style="list-style-type: none">> Integrating the application to iOS and Android> Cloud deployment of application> User interface porting for iOS and Android> Server deployment setup and backend implementation

Part 3 - Updated Activity Diagram

Added tasks to activity diagram:



Screenshots of .mpp file:

		Task Mode ▾	Task Name ▾	Duration ▾	Start ▾	Finish ▾	Predecessors ▾	Resource Names ▾	Add Task
1			Overall System Implementation	29 days	Thu 23-03-23	Tue 23-05-02		Everyone	
2			Web User interface/frontend	6 days	Wed 23-05-03	Wed 23-05-10	1	Web Developer	
3			Server Hardware Setup	9 days	Wed 23-05-03	Mon 23-05-15	1	Web Developer	
4			Android and iOS user interface frontend porting	7 days	Thu 23-05-11	Fri 23-05-19	2	Mobile Application Developer	
5			Server Backend Development	7 days	Tue 23-05-16	Wed 23-05-24	3	Web Developer	
6			Android Intergration	5 days	Mon 23-05-2	Fri 23-05-26	4	Mobile Application Developer	
7			iOS Integration	7 days	Mon 23-05-2	Tue 23-05-30	4	Mobile Application Developer	
8			Web Integration	7 days	Thu 23-05-25	Fri 23-06-02	5	Web Developer	
9			Testing	12 days	Mon 23-06-0	Tue 23-06-20	8	Application Test	
10		