Software Project Management
Lab 4

Topic: iPad Restaurant Application

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Part 1

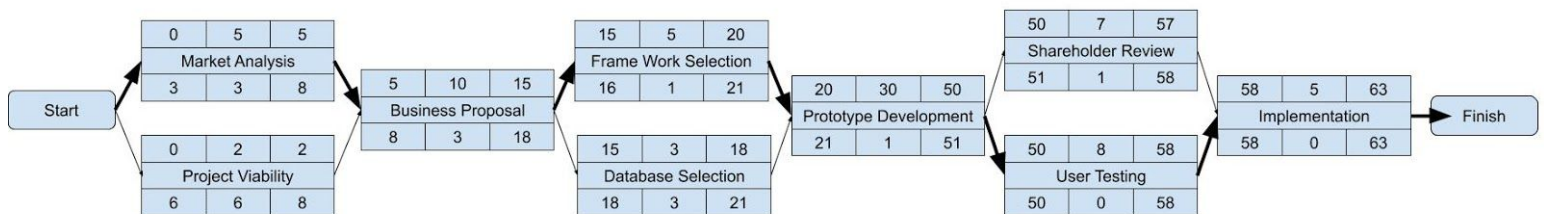Risks and countermeasures

Development	Unforeseen Bugs	- Frequent testing conducted by both the development team and external testing team
	Shareholder modifying requirements during development	- Frequent touch-points with shareholders to ensure requirements are current and up to date - Frequent deliverables and functional prototypes to ensure expectations are translated into product
	Health concerns (ie. Coronavirus outbreak) causing halt of production	- Generous health policy to ensure the healthy physical and mental health of employees - Ability to work from home
Deployment	Business infrastructure changes that do not interface with created software	- Test deployment on various devices to ensure cross-platform compatibility if needed in future - Offer compatible infrastructure setup through own inhouse team or partner company
	Shareholder dissatisfaction	- Continued customer support - Continued monitoring of suggestions for added functionality
	Updates in hardware technology that render software/existing hardware unfavorable to use (ie. Apple slowing down older device performance)	- Test deployment on various devices to ensure cross-device compatibility as a backup to revert to in needed situations

Part 2

Team resources and responsibilities

Tasks	Resources						
	Backend Programmer	Tech Lead	Database Administrator	Business Analyst	Sales Lead	Client Relations	Testing Team
Market Analysis				✓		✓	
Project Viability	✓	✓	✓	✓			
Business Proposal		✓		✓	✓		
Framework Selection		✓					
Database Selection			✓				
Prototype Development	✓	✓	✓	✓		✓	
User Testing	✓	✓	✓	✓			✓
Shareholder Review				✓	✓	✓	
Implementation	✓	✓	✓			✓	

Part 3

Make sure your tasks include the 2 risk mitigation tasks you mentioned in your document.

- Shareholder Dissatisfaction
    - Resolved in multiple points of Shareholder Reviews
        - Task 11: Shareholder Confirmation of selection of proposed concept
        - Task 13: Shareholder Touchpoint during the development of the concept
        - Task 18: Shareholder Review to confirm operation of the developed product
- Unforeseen Bugs
    - Resolved in two key points of User Testing Summary task
        - Task 16: In-House Testing performed by key members of the development team
        - Task 17: Dedicated Testing performed by Testing Team