

FYP Project Advisor - Recommendations

Okay, let's discuss your Final Year Project. A mobile app targeting business professionals with a revenue generation goal and a significant budget is ambitious but achievable with careful planning. However, some of your choices need refinement given the Pakistani context and your timeline.

1. Project Type Recommendation: Mobile App (This remains suitable).
2. Primary Goal Refinement: While revenue generation is excellent long-term, focusing solely on this for a final year project is risky. A more realistic goal would be to create a Minimum Viable Product (MVP) that demonstrates core functionality and validates market demand. Revenue generation can be a secondary, longer-term objective.
3. Target Audience: Business Professionals (Appropriate, but needs further specification. Which type of business professionals? This will greatly influence feature prioritization.)
4. Budget & Timeline: \$50,000 - \$100,000 is substantial for a student project. However, remember this includes all costs (development, design, marketing, legal, potential server costs if you stay with on-premise, etc.). 6-12 months is a reasonable timeline, but aggressive. Prioritize delivering a functional MVP within 6 months, then iterate based on user feedback.
5. Core Features: Data Analytics (Excellent choice! Business professionals value data-driven insights. However, the type of analytics needs definition. Start with a specific, manageable set, perhaps focusing on a single key metric.)
6. Technology Stack: C#/.NET is powerful but may be overkill for a mobile app's front-end, especially considering the local talent pool.
7. Suggested Refinement: Consider a cross-platform framework like Flutter (Dart) or React Native (JavaScript). These allow for faster development, deployment on both iOS and Android, and are easier to find developers for in Pakistan. You can keep C#/.NET for backend services if you prefer. This hybrid approach will save time and cost.
8. Hosting Requirements: On-Premises is not recommended for a student project, especially considering the security and maintenance implications.
9. Suggested Refinement: Cloud hosting (AWS, Google Cloud, Azure) offers scalability, reliability, and cost-effectiveness. It simplifies infrastructure management, which is crucial for a final year project with limited resources and expertise.
10. Compliance Requirements: HIPAA compliance is extremely complex and requires significant expertise. This is not advisable for a student project.
11. Suggested Refinement: Start with a project that doesn't require such strict compliance, and focus on data privacy and security best practices. This is more achievable within the project constraints.

Project Scope Recommendation:

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Considering the context, I suggest focusing on a narrowly defined MVP. For example:

12. Project Idea: A mobile app that provides business professionals (e.g., sales teams) with real-time analytics on key performance indicators (KPIs) such as sales conversion rates or customer acquisition cost.

13. Technology Stack: Flutter (frontend), .NET Core (backend API), Cloud Hosting (AWS or Google Cloud - cheaper than on-premise and much easier to manage). This allows for easy scaling, secure infrastructure and cost management.

14. Data Analytics: Focus on a single or two key KPIs. You can add more later. Use a NoSQL database like MongoDB or Firebase for ease of use and scalability.

15. Timeline: Aim for a fully functional MVP within 6 months. Use Agile methodologies to manage your project effectively.

This revised approach makes your project more manageable, increases the chances of successful completion, and aligns with the realities of developing software in Pakistan. Remember to focus on a well-defined problem and a clear solution. This is more important than flashy features.

16. Note: If you have any further specifics about the type of business professionals or the specific data analytics needed, I can refine these recommendations further. The key is to prioritize feasibility and realistic goals within your constraints.

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UI Screens / Mockups



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