ISTANBUL TECHNICAL UNIVERSITY

Project Management in Engineering

Homework - 1
Due Date: 09.03.2020

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Project Name: Consulting Platform Establishment

Project Managers: Cihat Akkiraz, Esin Ece Aydın

1) Problem/Opportunity

With the development of technology, people can easily access knowledge. However, in some cases, people need people that experienced the case rather than ready knowledge. But reaching these people is often difficult and expensive. There is no such platform that brings together experienced people and people that need consultancy from them.

2) Project Goal

To establish a platform that is designed and implemented as a web module and mobile application that brings together expert advisors and people that need them.

3) Project Objectives

1. Design user-friendly interface for the consultants and counselee.
2. Expedite the communication between them by a platform that can serve as a mobile and desktop application.
3. Establishment of the platform that ensures the two sides reach each other via live meetings by implementing webrtc technology.
4. Implement an appointment system inside the platform that is suitable for all time zones in terms of being international.
5. Implement the module which will be used for the counselees to evaluate the counselors and the system by the fifth month of the project.

4) Success Criteria

1. Total project cost is less than 5% of the 250.000 budget.
2. Successfully complete the development process within the specified period (6 months).
3. To complete the development process with the determined budget.
4. Creating a unique interface design that makes a difference for the users.

5) Assumptions

1. Rest APIs will be used as a software architectural style while creating a web-based part of the platform.
2. Python will be used as the backend solution.
3. While 50% of the time is devoted to design and frontend, 30% of the time will be devoted to backend implementation and 20% of the time will be tested.
4. Special seo work will be done on each page.
5. The module provided by WhereBy.Us, media production company, will be implemented as a video chat system.

6) Potential Risks and Obstacles

1. Losing workforce while the project continues.
2. Failure to comply with the scheduled times.
3. Total cost exceeding the budget determined for the project.
4. Not being able to use the entire budget if the provided budget is not allocated while the project is going on.
5. Failure to create a design that will make a difference.
6. Video call system not working at the desired efficiency.

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