

INFO B - 505 INFORMATICS PROJECT MANAGEMENT FALL 2022
PROJECT SUMMARY ASSIGNMENT TEAM 13

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HEALTHYINDY

A GO-TO MOBILE APPLICATION THAT SIMPLIFIES HOSPITAL VISITS



The app will display the complete list of doctors available at each partner hospital, the ability to make a doctor appointment and also have a look at the current waiting time.





The user will be able to access a history of their past appointments, view their current and upcoming appointments.

A building directory will be available for each partner hospital, providing directions to consultation rooms and testing rooms.







The user will have the ability to access their insurance details, make insurance claims and bill payments from within the application.

The end result of this project is to simplify hospital visits and reduce the paper work involved in making insurance claims, bill payments etc.
The app will run on two platforms - Android and iOS.



Project Overview

We created a smartphone application called ***HealthyIndy*** with the aim of giving partnered hospitals a platform to carry through their objective of digitizing their services. Users may download the application and use it to make reservations at the hospital, examine the current wait time, and estimate the distance from their present location to the nearest partner hospital. Users will also be able to view the entire list of specialists at each partnered hospital which is affiliated with our application and also with the help of this application, users will also be able to schedule diagnostic tests, browse a history of their previous visits, schedule upcoming ones, access information about their insurance, file insurance claims, and pay bills, and each partner hospital will include a structured repository with directions. We aim to simplify and ease hospital trips for patients, reduce consultation wait times, and streamline paperwork associated with hospitalization to support hospitals, nursing homes, and other care facilities to succeed in the telehealth sector. There are numerous challenges faced by the patients due to the lack of information and lengthy waiting times for visits and testing at the hospital. This application also aids users in navigating the hospital and locating their way around. To do this, we spent a total of \$119,500 over a period of time ranging from August 22 to December 5, to keep the project deliverables current. Our project hopes to utilize this application to lessen the amount of paperwork needed for doctor visits, bill payments, and insurance claims as well as to raise user health standards, which would improve telehealth.

Project Initiation

The project team was guided by the initiation process as we identify and described the critical elements of a proposed project that will aid in the decision-making process. The success of the technology projects selected to move on is supported by the thoughtful development of the Project Charter, the major deliverable of the Initiation.

In the initiation phase, we primarily created a project proposal and requirements analysis, which basically included setting up the tasks and acquiring the required information. This phase establishes the foundation for the rest of the project and provides an understanding of what the project is all about and what we need to accomplish various tasks. Building an MVP, which is a product with enough functionality to draw early adopters and verify a product idea early in the product development cycle, was an essential component of this phase. Once the project strategy is formulated, it needs to be thoroughly evaluated to find any potential changes. When a strong project plan is made, supplies for the project, such as sponsors and significant stakeholders, must be located. Due to the project's connection to health, the sponsors, stakeholders, project manager, and specific Indiana University Health staff are significant stakeholders. According to the survey's location, the sponsors and stakeholders have been identified.

Stakeholders of the Project (Project Clients)- Riley Hospital for children. Sidney Health Center, St. Michigan Hospital, MedStar Hospital, and the Tribbiani Nursing Home.

Project Sponsor- Professor David Francis

Project Manager- Sashank Dronamraju

Project Team Members- Sashank Dronamraju, Sahithi Reddy Boda, Sakshi Shah, Amulya Rangineni, Mrudhula Thumu, and Durga Bomma.

Project Monitoring & Control



Monitoring and controlling are critical parts of the project process to ensure that the project works effectively and to identify and address any impediments. We had frequent project meetings with our team members and kept track of their progress from the start. As a result, we were able to track progress effectively, identify and resolve obstacles as soon as possible, and plan our timetable in accordance with the progress. We utilized Zoom for our weekly meetings. We kept track of the deliverables for each phase and properly tested the application before handing it over to the clients. This enabled us to quickly obtain feedback from application testing and integrate adjustments prior to the final release.

Project Planning

A strong scope statement is the first step in the project planning process to ensure the project's success. Planning always aids in achieving the desired outcomes with the prior assessment of risk factors and challenges. Having a proper plan of action for all the steps involved in the project is essential as it connects the team members and stakeholders and makes everyone stay on the same page. We have utilized multiple modes of communication to bridge the gaps between ideological differences among team

members. The entire planning process involved developing a scope statement, developing a draft of the project action plan, undertaking the project kickoff meeting, planning the budget of our project, evaluating the risk factors, allocating resources, developing the final action plan, communicating with stakeholders, and managing engagement.

We felt that understanding the usage of *HealthyIndy* and its acceptance in the marketplace was a key factor in enhancing the work motive of team members while planning the project. Prior assessment of similar applications and their acceptance by the customers is required for risk management, budget adjustment, and maintaining the resources. Planning always helped us in tackling the challenges that we faced. While our resource allocations were monitored regularly, we believe that we could have done a better job at monitoring our budget. It is our belief that regular meetings with the team and stakeholders have helped us overcome a lot of challenges, and have aided us in establishing a great rapport with each other, which will continue to exist for a long period of time.

Project Execution



The execution stage of the HealthyIndy application project began with the team undertaking market research in order to gain a better understanding of the process of developing the application for our project, and also improve our understanding of the current market scenario, and enabled us to get a clear idea about the existing competition from rival organizations. We started by obtaining hospital data to upload into the database and developing the application's basic user interface. The gathering of hospital data was crucial for our application because the application relies on it for functioning and regulation. After the front-end and back-end developers completed working on the application, an API design was created and in the final step, we created the MVP and undertook testing of the prototype before commercial launch in the market. Upon completion of every step in the execution phase, we undertook a control analysis. The entire execution phase took 29 days to complete as per the standards.

Project Closing

The primary purpose of this stage is to formally ensure that the stakeholder's requirements- in terms of quality, timeframe, etc are met, in order to close the project. For our project, the deliverable was the formal handover of the application ***HealthyIndy*** to the hospitals that have sponsored the project. After ensuring that the integration of various services into the application was successful, the commercial launch of the application was undertaken. An all-team meeting was held and the performance of the application was monitored and evaluated after its commercial launch. Based on the inputs from the users, and stakeholders and on the basis of various observations of core systems such as Google Maps integration, the user interface design, the presence or absence of bugs and glitches, etc necessary changes required to *HealthyIndy* were made. In this stage, the marketing strategy was also reevaluated and changes to the strategy were made after consulting the experts and the stakeholders. In terms of the project's time goals, the project was completed successfully within the established time constraints. The project team members were able to learn various skills that are critical in this arena, such as task-oriented planning & scheduling skills, effective workplace communications skills, financial management, and also technical knowledge of the various software applications that were used in creating the ***HealthyIndy*** application. Towards the conclusion of the project, a meeting was held in which the participants included the project stakeholders, the project manager, and the project team members, where the stakeholders' requirements were re-discussed in order to formally close the project. In the end, a documentation process was undertaken, where, all the files, meeting notes, etc pertaining to each and every phase of the project right from the beginning were documented.