

MINI PROJECT

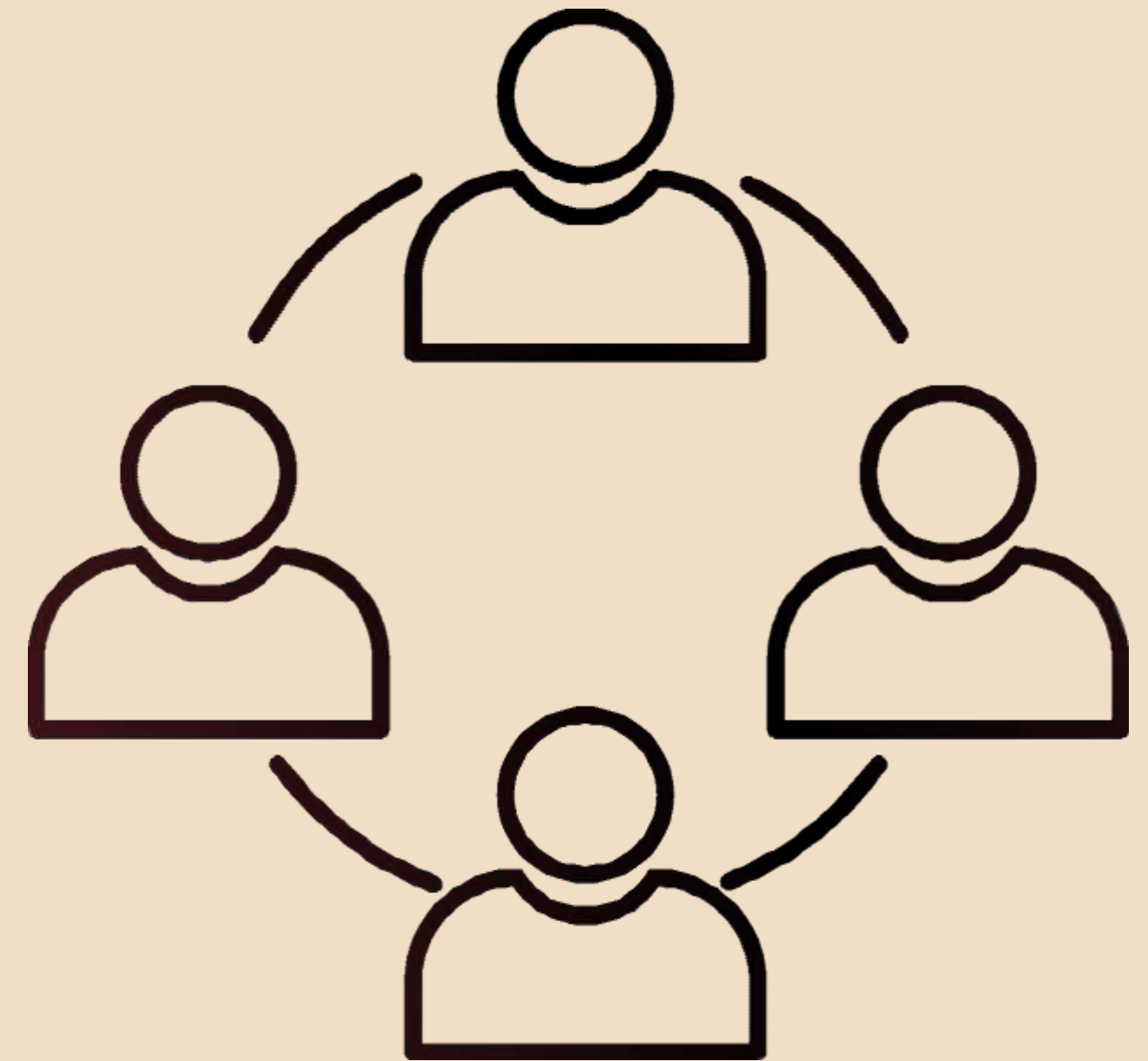
-CIPHERSERVE

Team Members

- Pranav Baburaj-51
- Agustin Kiran Leo-74
- Arshakh Mohammad-13
- Alok Aravind-9

Team Details

- Our Team is a group of 4 members who are working together to build a android mobile application.
- Collaborating with the team, planning and designing, writing code, testing the application, documentation of the code and continuous learning are the main responsibilities of our team.
- Our goal is to improve customer satisfaction and to provide a user friendly application.



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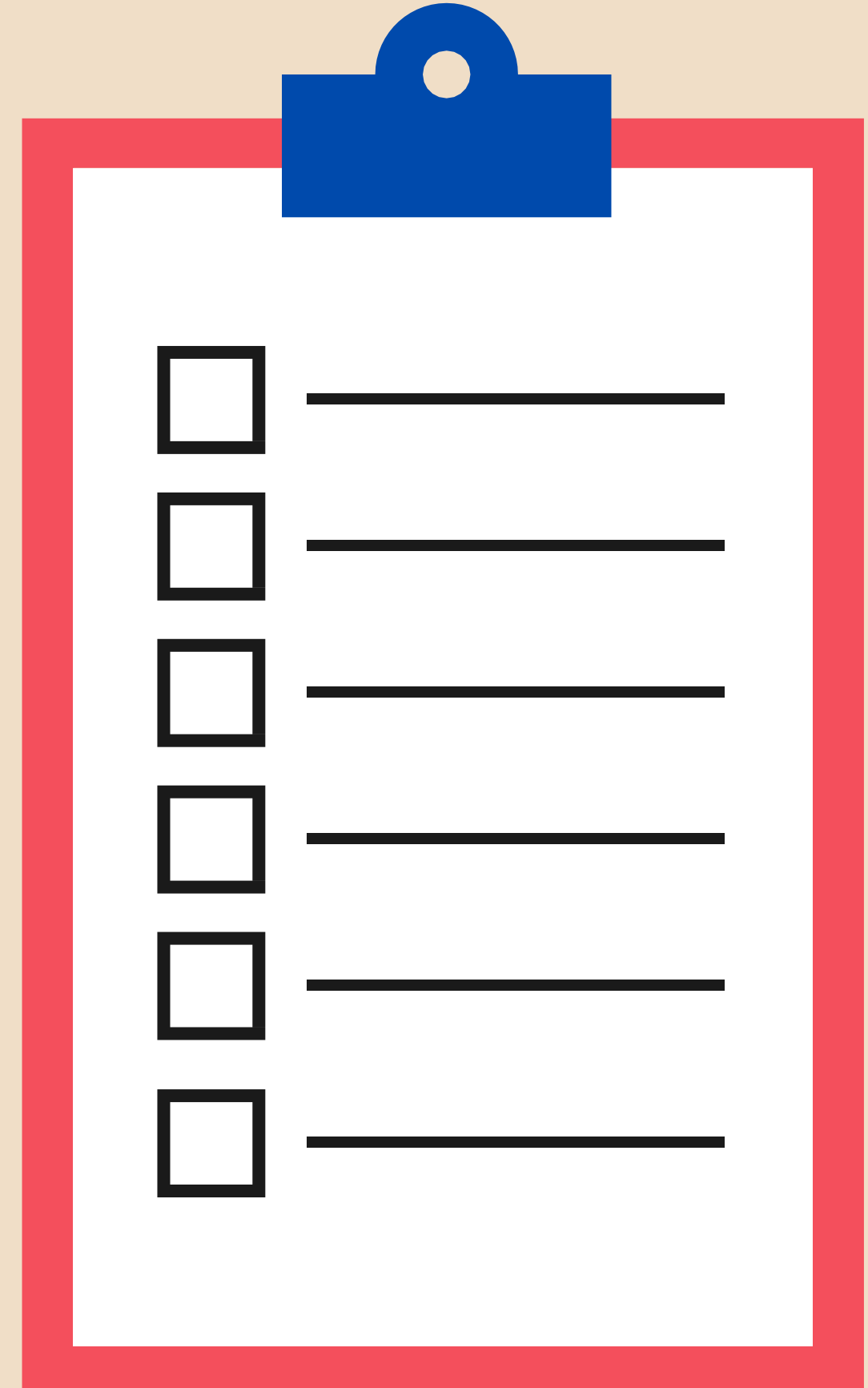
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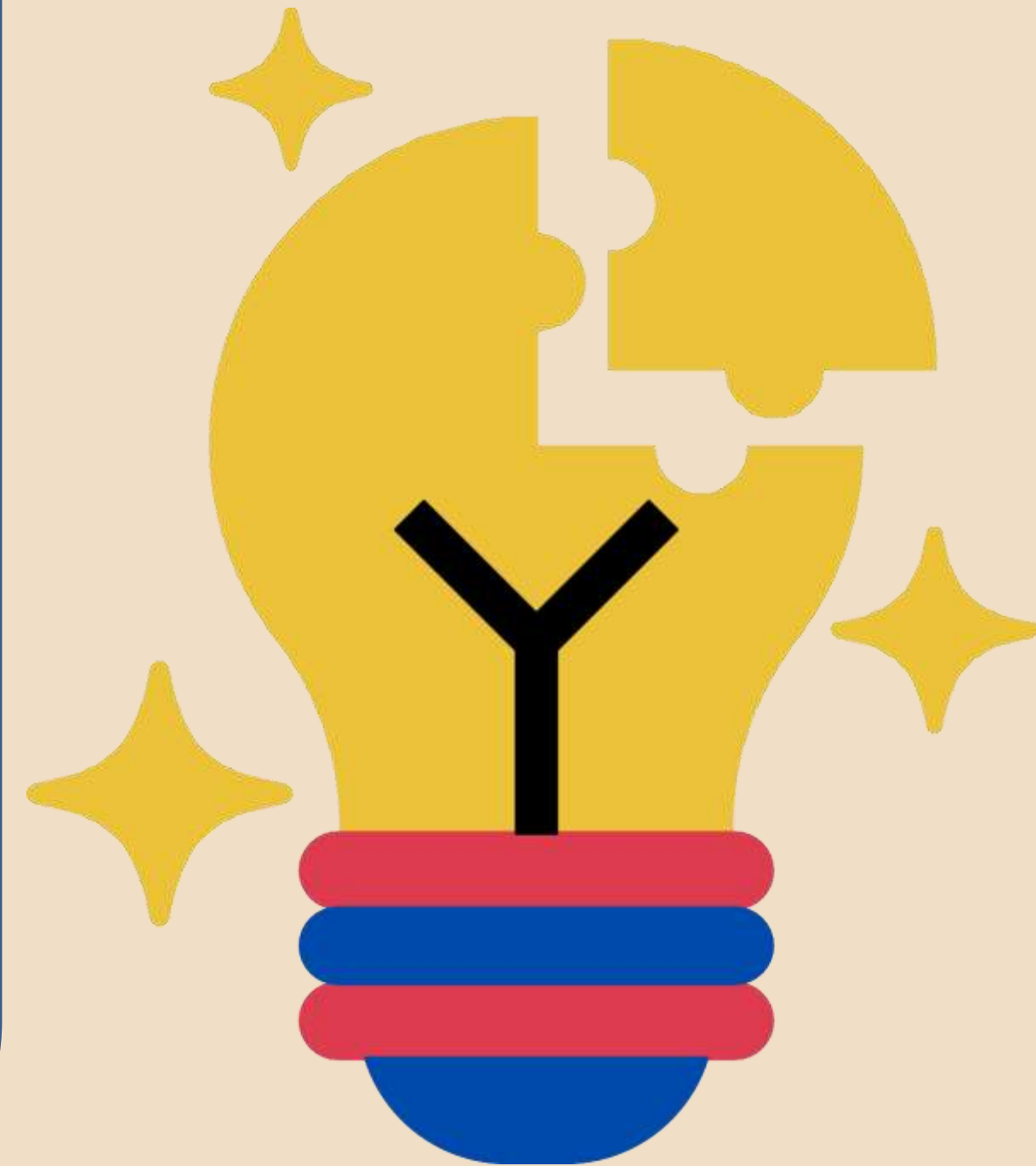
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PROBLEM STATEMENT

The problem statement revolves around the difficulty that people have in locating reliable and trustworthy service centres to repair their damaged software or hardware parts of a computer or laptop. This frequently leads to a waste of time, effort, and money. The proposed solution is to create a mobile Android application that provides users with a list of nearby service centres along with their availability of parts, ratings, and reviews. This will make it easier for users to choose the best service centre and receive efficient and high-quality services.



ABSTRACT

The project develops an application for smartphones with flutter that provides real-time information on the availability of damaged laptop and desktop parts at the nearest service center. This mini project focuses on creating a mobile Android application that informs customers about the availability of damaged software or hardware parts for their computer or laptop in the nearest service centres in their area. The project's goal is to provide a comfortable and accessible option for people who seek rapid and efficient computer or laptop repair services. Users will be able to search for service centres, read information on available services and components, and even make repair appointments through the application. By this project, we hope to give a user-friendly and efficient solution to the widespread problem of computer or laptop repair, allowing consumers to save time and effort in locating the correct repair services.

OBJECTIVES

The objective of the cipherserve Android app include:

- To provide a user-friendly interface that allows users to easily search for and locate service centres in their area that repair damaged software or hardware parts of computers and laptops.
- To assist users in making informed decisions by providing information on the availability of parts and estimated repair times.
- To make it easier for users to communicate with service centres in order to schedule repairs and obtain quotes.
- To make it easy for users to track the status of their repairs and receive notifications when they are ready for pickup.
- To create a database of service centres and their offerings in order to provide more efficient and effective repair services.



REQUIRED SKILLS

The required skills for developing the cipherserve android app includes:

- Proficiency in mobile app development using Flutter framework.
- Strong knowledge of Java or Kotlin programming language for Android development.
- Experience in designing and developing RESTful APIs using Firebase.
- Knowledge of MySQL or any other database management system.
- Familiarity with cloud computing platforms such as Google Cloud Platform or Amazon Web Services.
- Good understanding of UI/UX design principles for mobile applications.
- Knowledge of agile software development methodologies.
- Familiarity with version control systems such as Git.

MOTIVATION

The motivation behind this mini project is to make it easier for people to get their devices repaired quickly and efficiently. With our increasing reliance on technology in our daily lives, a malfunctioning device can cause significant disruption to our work or personal lives. However, locating a reputable and nearby repair service can be difficult.

This application aims to bridge that gap by providing a platform for users to quickly check the availability of damaged parts in nearby service centres and schedule a repair appointment. This will not only save time but will also alleviate the stress of physically searching for repair shops or making numerous phone calls.

Moreover, the application can assist users in making informed decisions by displaying the cost of repair services and the availability of replacement parts. This can protect users from being overcharged or receiving substandard repair services. Overall, the goal of this mini project is to provide a convenient and efficient solution for individuals seeking repair services for their devices, reducing the burden and making the process as simple as possible.

PROJECT TIMELINE

PLANNING AND RESEARCH PHASE:IN PROGRESS



DESIGN PHASE:2 WEEKS



DEVELOPMENT PHASE:3-4 WEEKS



TESTING PHASE:1 WEEK



DEPLOYMENT PHASE:1 WEEK

LITERATURE REVIEW

The proposed mini-project focuses on the creation of an Android mobile application that informs users where they can find computer or laptop parts that have been broken in their local service centres. According to the literature analysis, there is a big market need for these kinds of applications since they make it easier for people to identify repair shops and get the services they need. This initiative aims to solve the difficulties experienced by those who might be unsure of how to find a reliable repair facility for their computer or laptop.

THANK YOU