

INTRODUCTION

1.1 Overview

A survey application developed using Android Studio is a mobile application that allows users to create, distribute, and collect survey responses. The application can be used by organizations or individuals to gather feedback from their target audience or customers. The application provides an interface for users to create survey questions and response options. It also allows users to customize the appearance of the survey, such as changing the colors and fonts.

The survey responses are collected and analysed by the application, and users can view the results in real-time. The application provides various charts and graphs to visualize the data, making it easy to understand and interpret. Overall, the survey application developed using Android Studio provides a convenient and efficient way for users to create and collect survey data on-the-go.

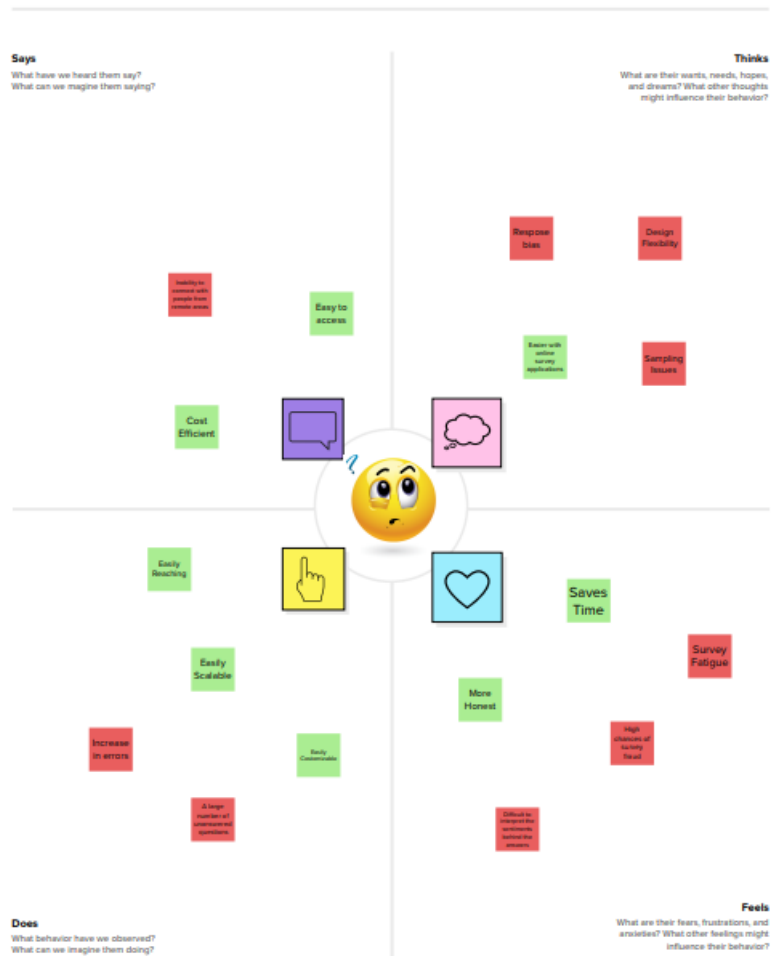
1.2 Purpose

The survey application can be used for a variety of purposes, including:

- **Market Research:** Companies can use the survey application to conduct market research and collect feedback from their target audience on their products and services. This feedback can help companies make informed decisions about product development and marketing strategies.
- **Customer Satisfaction Surveys:** Businesses can use the survey application to collect feedback from their customers on their experience with their products or services. This feedback can help businesses improve customer satisfaction and retention.
- **Academic Research:** Researchers can use the survey application to collect data for academic research studies. The application can be used to create surveys and collect data from study participants.
- **Employee Feedback:** Organizations can use the survey application to collect feedback from employees on various aspects of their work, such as job satisfaction, work environment, and communication. This feedback can help organizations improve employee engagement and retention.
- **Event Feedback:** Event organizers can use the survey application to collect feedback from attendees on various aspects of the event, such as venue, speakers, and logistics. This feedback can help organizers improve future events.

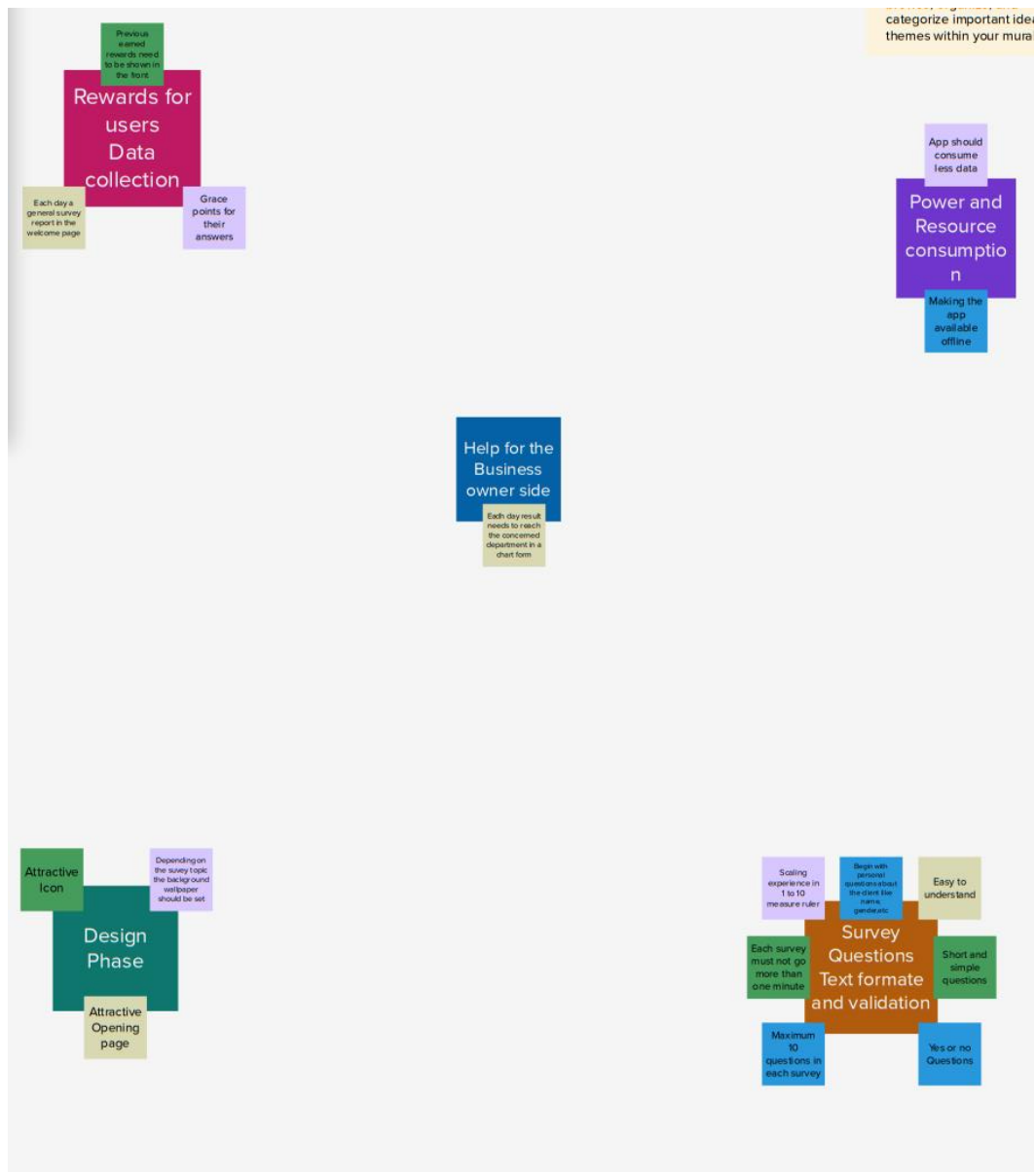
Problem Definition & Design Thinking

2.1 Empathy Map

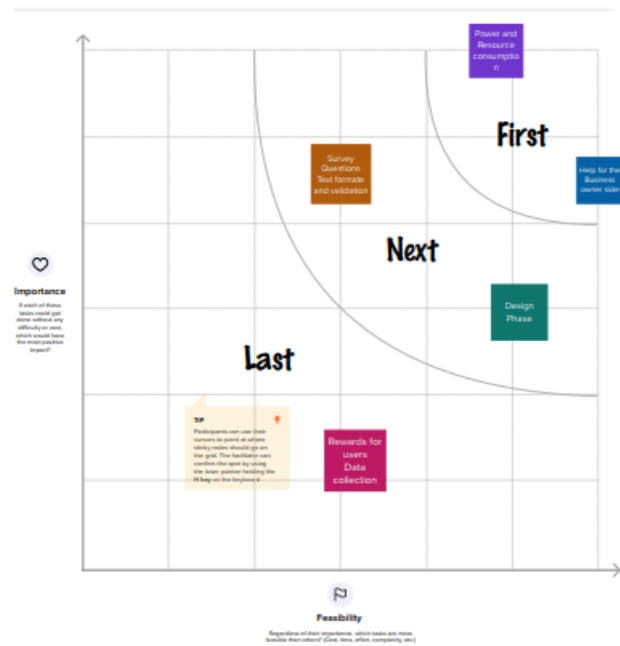


2.1 Ideation & Brainstorming Map

- Group ideas



• Prioritize



• Brainstorm

Cajorin Mary E

Making the app available offline	Begin with personal questions about the client like name, gender, etc.	Yes or no Questions
Maximum 10 questions in each survey		

Dinisha T

App should consume less data	Depending on the survey topic the background wallpaper should be set	Scaling experience in 1 to 10 measure ruler
Grace points for their answers		

Sahesh S

Attractive Icon	Each survey must not go more than one minute	Short and simple questions
Previous earned rewards need to be shown in the front		

Marian Brizo Peter

Attractive Opening page	Each day a general survey report in the welcome page	Easy to understand
Each day result needs to reach the concerned department in a chart form		

Person 5

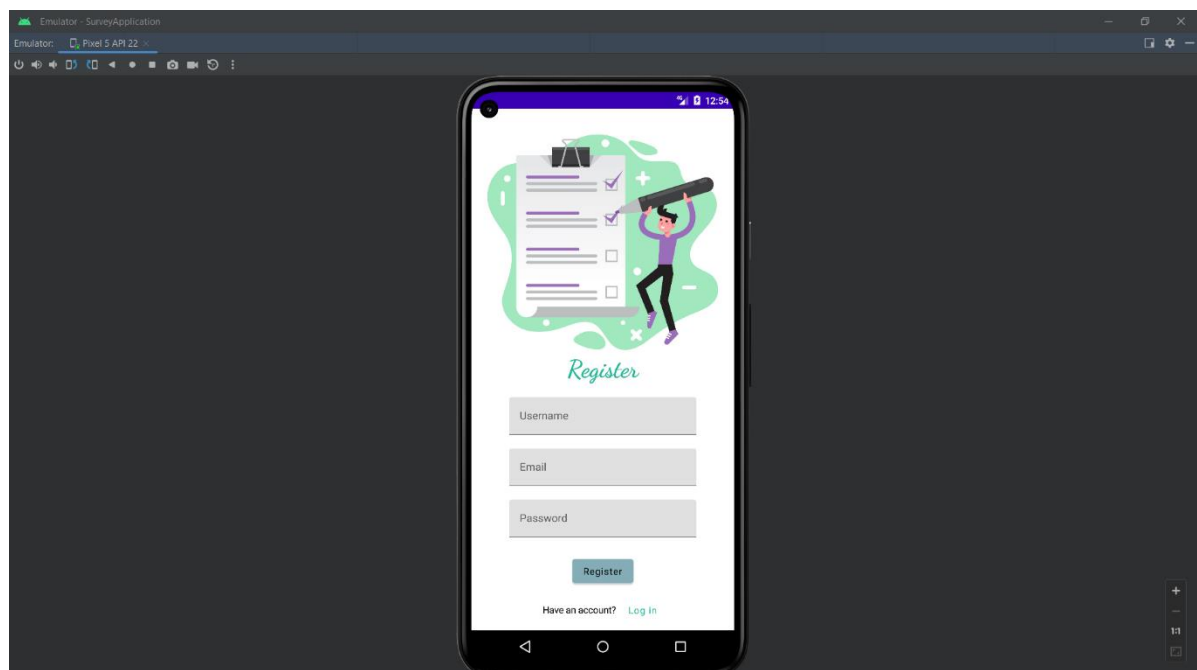
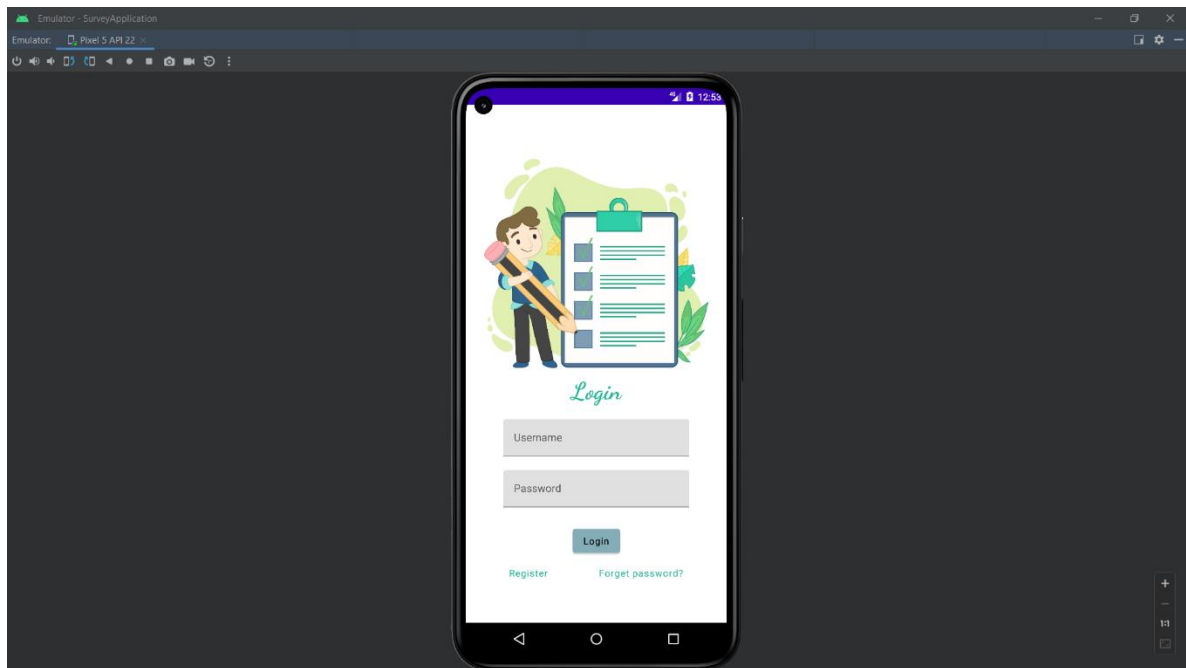
Person 6

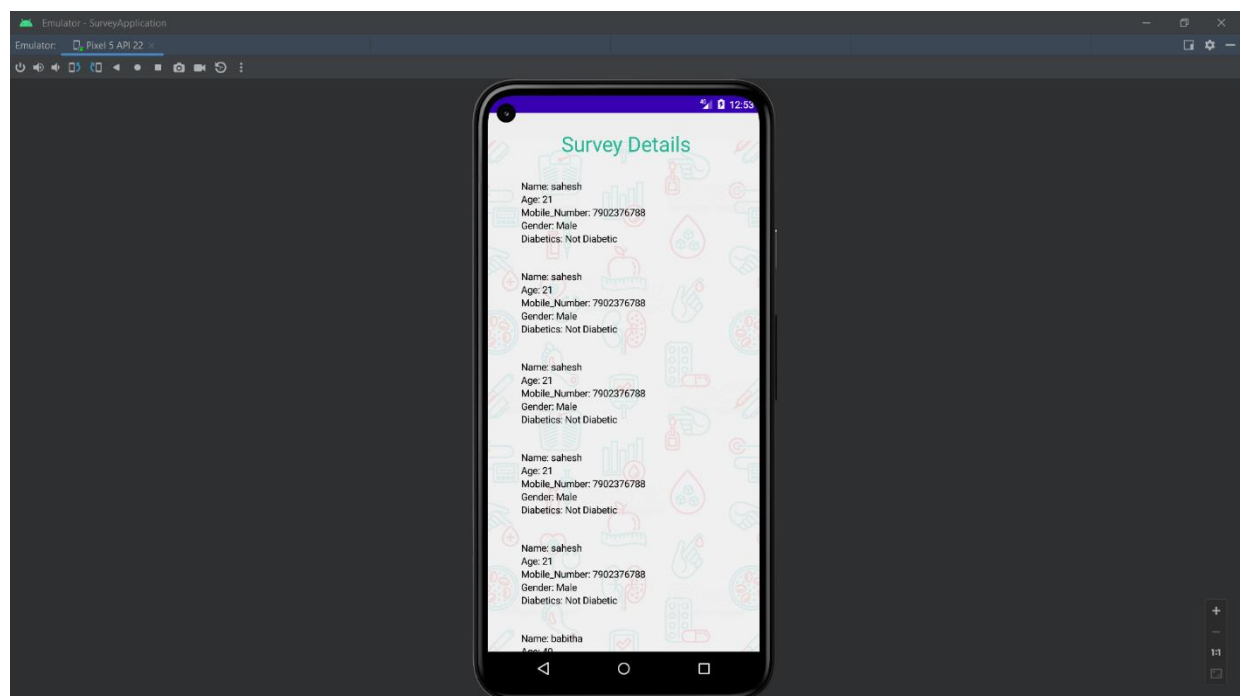
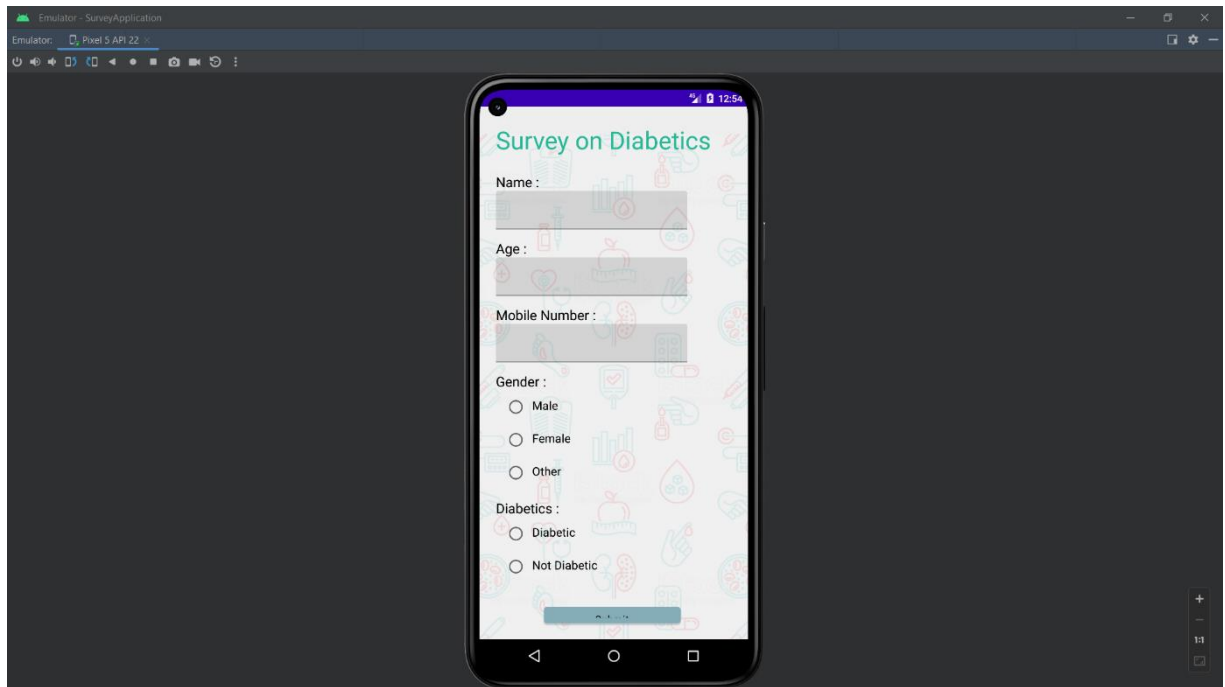
Person 7

Person 8

RESULT

The results or final findings of the survey application project developed using Android Studio will depend on the specific survey or data collection project that was conducted using the application. However, the application is designed to collect, store, and analyse survey data, and the output or final findings will typically include:





- **Summary Statistics:** The survey application will provide summary statistics of the survey data collected, such as the mean, median, and mode of response values for each survey question.
- **Graphical Representations:** The application can generate various graphical representations of the survey data, such as histograms, pie charts, and bar charts, to make it easier to understand and visualize the results.

- **Raw Data:** The application will provide the raw data collected from the survey, which can be exported in various formats, such as CSV or Excel.
- **Insights:** The survey application can provide insights into the survey data, such as identifying correlations between survey questions or trends in the responses.
- **Recommendations:** Based on the survey data collected, the application can provide recommendations on how to improve the product, service, or event being evaluated.

Overall, the final output or findings of the survey application project will provide valuable information and insights that can be used to make informed decisions and improve various aspects of a business, organization, or academic research study.

ADVANTAGES & DISADVANTAGES

- **Advantages of the proposed solution:**
 - **Convenience:** The survey application developed using Android Studio offers convenience to both the survey creators and participants. Creators can easily create surveys on their mobile devices, and participants can complete the surveys on the go using their mobile devices.
 - **Real-time data collection and analysis:** The survey application can collect and analyse data in real-time, which allows survey creators to view the data as it is collected and make adjustments to the survey as needed.
 - **Cost-effective:** The survey application is a cost-effective way to collect survey data, as it eliminates the need for paper surveys and manual data entry.
 - **Customization:** The survey application allows survey creators to customize the surveys to match their specific needs and branding.
 - **Data security:** The survey application can provide data security, as it can be set up to protect survey responses and ensure the privacy of participants.
- **Disadvantages of the proposed solution:**
 - **Limited reach:** The survey application may have limited reach as it requires participants to have access to mobile devices and internet connectivity.

- **Technical expertise:** The survey application may require some technical expertise to set up and customize the surveys.
- **Limited question types:** The survey application may have limited question types compared to other survey software or services.
- **Limited analysis tools:** The survey application may have limited analysis tools compared to other survey software or services.
- **Response bias:** The survey application may be subject to response bias, as participants who choose to complete the survey may not be representative of the overall population being surveyed.

APPLICATIONS

The survey application can be applied in various areas, including:

- **Market Research:** The survey application can be used by businesses to conduct market research and collect feedback from their target audience on their products and services.
- **Customer Satisfaction Surveys:** The survey application can be used by businesses to collect feedback from their customers on their experience with their products or services.
- **Academic Research:** The survey application can be used by researchers to collect data for academic research studies.
- **Employee Feedback:** The survey application can be used by organizations to collect feedback from employees on various aspects of their work.
- **Event Feedback:** The survey application can be used by event organizers to collect feedback from attendees on various aspects of the event.
- **Public Opinion Polling:** The survey application can be used by polling organizations to collect public opinion data on various social, political, and economic issues.

- **Healthcare Research:** The survey application can be used by healthcare organizations to collect patient feedback on their healthcare experiences and satisfaction levels.

CONCLUSION

In conclusion, the survey application developed using Android Studio is a versatile tool that can be used for data collection and analysis in various areas, including market research, customer satisfaction surveys, academic research, employee feedback, event feedback, public opinion polling, and healthcare research. The survey application offers several advantages, such as convenience, real-time data collection and analysis, cost-effectiveness, customization, and data security. However, it also has some disadvantages, such as limited reach, technical expertise required, limited question types and analysis tools, and potential response bias.

Overall, the survey application can provide valuable insights and information that can be used to inform decision-making and improve various aspects of businesses, organizations, and research studies. The application's ability to collect and analyse data in real-time, along with its cost-effectiveness and convenience, makes it a useful tool for data collection in today's fast-paced and data-driven world. As technology continues to advance, the survey application will likely become even more powerful and widely used in various fields.

FUTURE SCOPE

There are several enhancements that can be made in the future to improve the functionality and effectiveness of the survey application developed using Android Studio. Some of these enhancements include:

- **Integration with other survey tools:** The survey application can be enhanced by integrating with other survey tools, such as data analysis software, to provide more advanced analysis and reporting capabilities.
- **Advanced question types:** The survey application can be enhanced by providing more advanced question types, such as matrix questions, slider questions, and ranking questions, to improve the quality and depth of the survey data collected.

- **Improved user interface:** The survey application can be enhanced by improving the user interface to make it more user-friendly and intuitive, which can improve the overall user experience.
- **Advanced customization options:** The survey application can be enhanced by providing advanced customization options that allow survey creators to customize the survey design, layout, and branding to match their specific needs and preferences.
- **Integration with other mobile applications:** The survey application can be enhanced by integrating with other mobile applications, such as social media platforms, to reach a wider audience and increase participation in the surveys.
- **Artificial Intelligence integration:** The survey application can be enhanced by integrating artificial intelligence (AI) capabilities, such as natural language processing and sentiment analysis, to provide more advanced analysis and insights into the survey data collected.

SOURCE CODE:

<https://github.com/CajorinMaryE/survey-app->