1. INTRODUCTION

A survey Android app is a software application that is designed to allow users to create and conduct surveys on their Android device. This app is designed to provide users with an easy and convenient way to collect and analyze data for a variety of purposes, including market research, customer feedback, and academic research.

The survey Android app typically offers features such as survey creation, survey distribution, and data analysis. Users can create custom surveys using a variety of question types, such as multiple-choice, open-ended, and Likert scale questions. The app may also offer pre-built survey templates to help users get started quickly.

Once the survey is created, users can distribute it to their target audience through various channels, such as email, social media, or in-person. The app may also provide features for tracking survey responses, sending reminders to participants, and managing participant data.

The survey Android app may also offer features for analyzing survey data, such as data visualization tools, statistical analysis, and report generation. Users can easily view and analyze survey results, helping them make data-driven decisions based on the survey findings.

Additionally, the app may provide features for exporting survey data in various formats, such as Excel or CSV, allowing users to share their findings with others or import the data into other applications.

Overall, a survey Android app can be a useful tool for users who want to create, distribute, and analyze surveys efficiently and effectively, making it a valuable tool for market research, customer feedback, and academic research.

1.1 OVERVIEW

A diabetic survey app is a digital tool designed to help people with diabetes track their symptoms, monitor their blood sugar levels, and manage their treatment plan. These apps are available for both iOS and Android devices and can be downloaded for free or for a small fee from the respective app stores.

One of the key features of a diabetic survey app is the ability to log and track blood sugar levels. Users can input their blood sugar readings into the app, which will then track the data over time and provide insights into their blood sugar patterns. This can be useful for identifying trends and adjusting treatment plans accordingly.

Another important feature of diabetic survey apps is the ability to track symptoms and medication usage. Users can log symptoms such as fatigue, thirst, and headaches, as well as any medications they are taking and their dosages. This information can be helpful for users and their healthcare providers to track the effectiveness of their treatment plan.

Many diabetic survey apps also include features to help users maintain a healthy lifestyle. For example, the app may offer personalized recommendations for nutrition and exercise based on the user's health goals and preferences. Some apps also provide users with reminders to take medication or check their blood sugar levels at specific times throughout the day.

In addition to tracking health data, some diabetic survey apps also offer resources and educational content for people with diabetes. This may include articles and videos about managing the condition, as well as resources for finding local support groups and healthcare providers.

Overall, a diabetic survey app can be a valuable tool for people with diabetes who want to monitor their symptoms, track their blood sugar levels, and manage their treatment plan. With features for tracking health data, providing personalized recommendations, and offering educational resources, these apps can help users take a more active role in managing their health and improving their quality of life.

1.2 PURPOSE

The purpose of a survey app is to enable organizations or individuals to gather feedback and data from their target audience. A survey app allows users to create and distribute surveys to a specific group of people or the general public, collecting responses and analyzing the data.

The app can be used for a variety of purposes, such as market research, customer feedback, employee satisfaction surveys, and academic research. A survey app may include features such as:

Survey creation: Users can create customized surveys with different types of questions, such as multiple-choice, open-ended, or rating scales.

Distribution: Users can distribute the survey to a targeted audience via email, social media, or other communication channels.

Data collection: The app collects responses and organizes them in a centralized database for easy access and analysis.

Analysis: The app can generate reports and data visualizations to help users analyze the data and draw insights from the survey results.

Overall, the purpose of a survey app is to provide an efficient and effective way to gather feedback and insights from a specific audience or the general public.

2. PROBLEM DEFINITION & DESIGN THINKING

DIABETIC SURVEY DEFINITION:

A diabetic survey is a research method used to gather information about the experiences, attitudes, and behaviours of people living with diabetes. The survey may include questions about topics such as diet, exercise, medication, self-care practices, and overall quality of life. The goal of a diabetic survey is to gather insights that can be used to improve the lives of people living with diabetes, as well as to inform the development of new treatments and interventions.

DESIGN THINKING:

To approach the problem of designing a diabetic survey from a design thinking perspective, we'll want to follow these steps:

Empathize: The first step in the design thinking process is to empathize with the target audience. This involves understanding their needs, motivations, pain points, and behaviors. In the case of a diabetic survey, we'll want to conduct research to understand the experiences of people living with diabetes, as well as the challenges and opportunities they face.

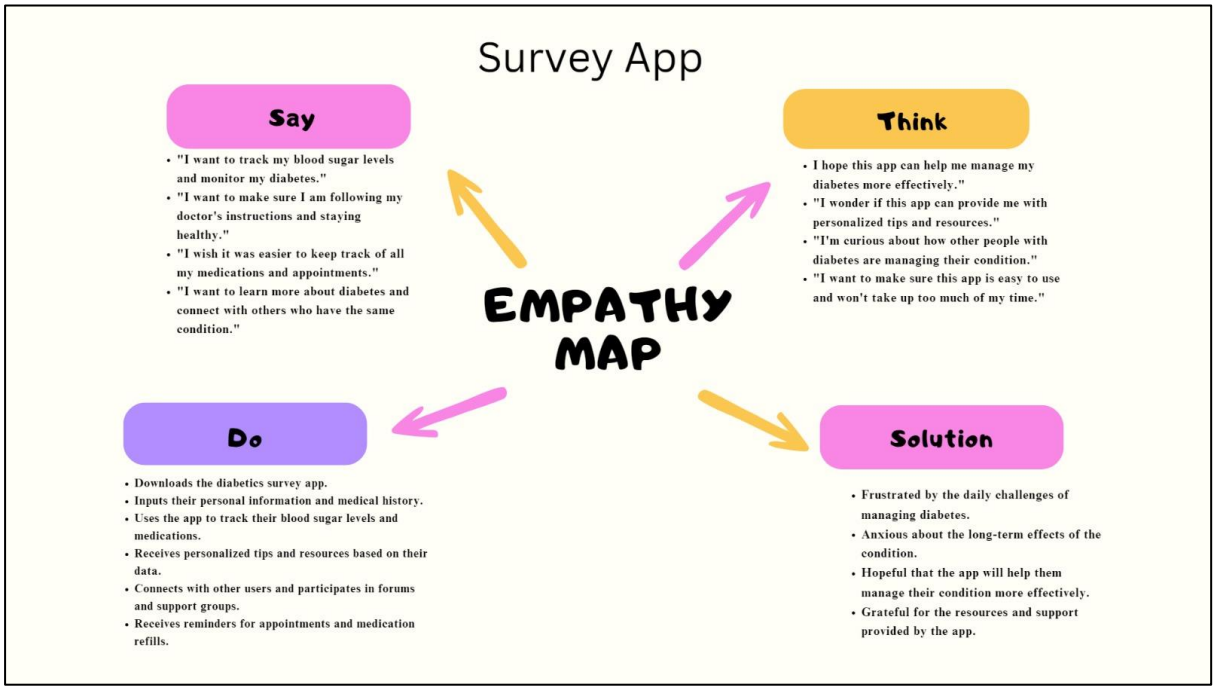
Define: With a deeper understanding of our audience, we can start to define the problem space more clearly. This means identifying the specific questions and topics that we want to explore in the diabetic survey, and defining the criteria for success.

Ideate: Once we've defined the problem, we can start to generate ideas for the survey questions and format. This involves brainstorming and ideation sessions to come up with a range of potential questions, response formats, and delivery methods.

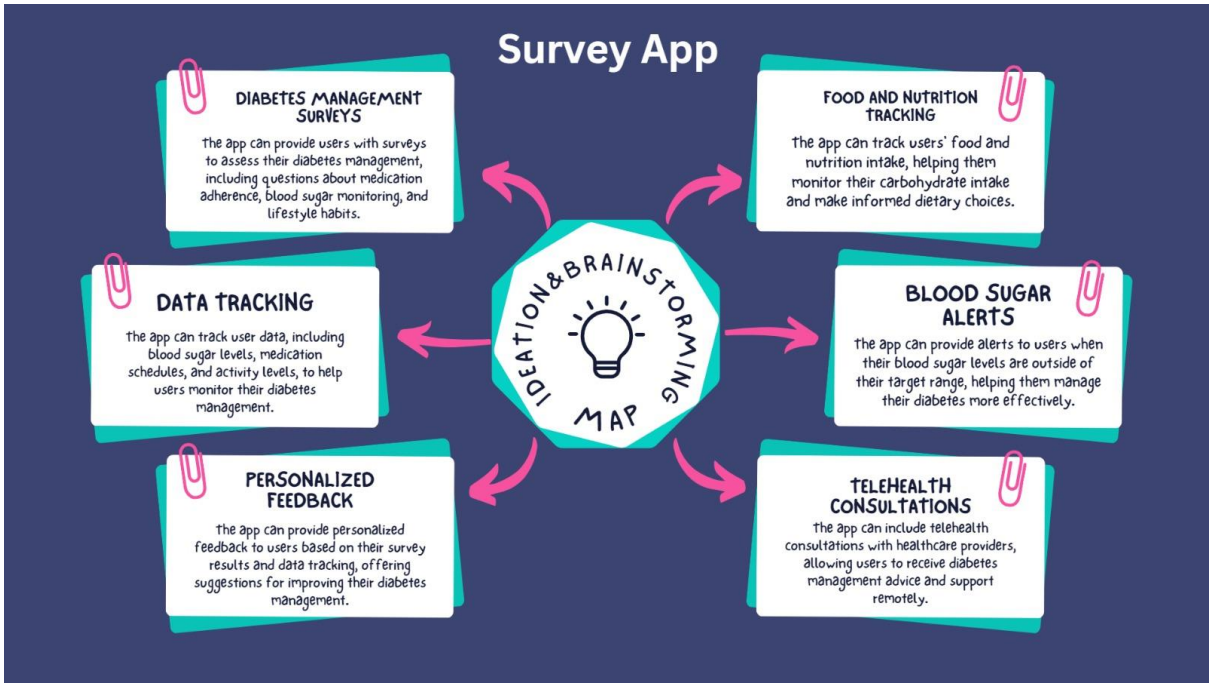
Prototype: With a set of potential survey questions and formats in mind, we can start to prototype and test our ideas. This could involve creating a mock survey and testing it with a small group of people living with diabetes to gather feedback on the clarity, relevance, and effectiveness of the questions.

Test: Finally, we'll want to test our diabetic survey with a larger group of people living with diabetes to see how well it performs. This involves analyzing the data to identify patterns and trends, as well as using the feedback to refine our approach and create a more effective survey. We can then use the insights gathered from the survey to inform the development of new treatments, interventions, and support services for people living with diabetes.

2.1 EMPATHY MAP

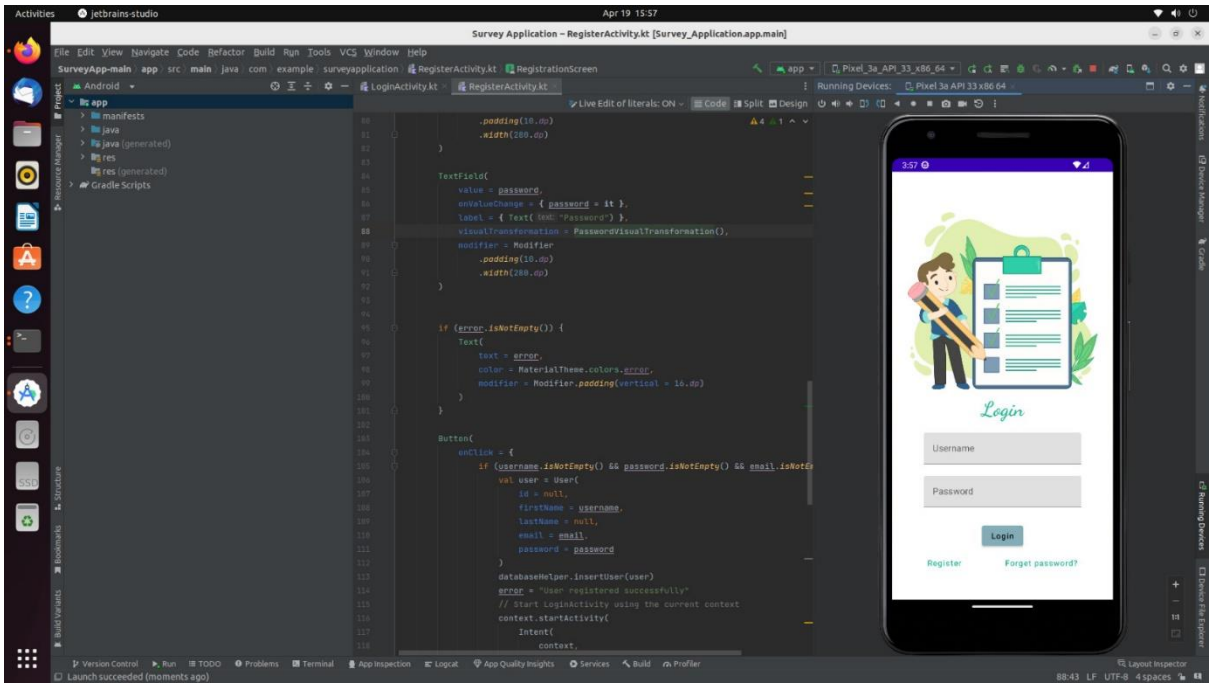


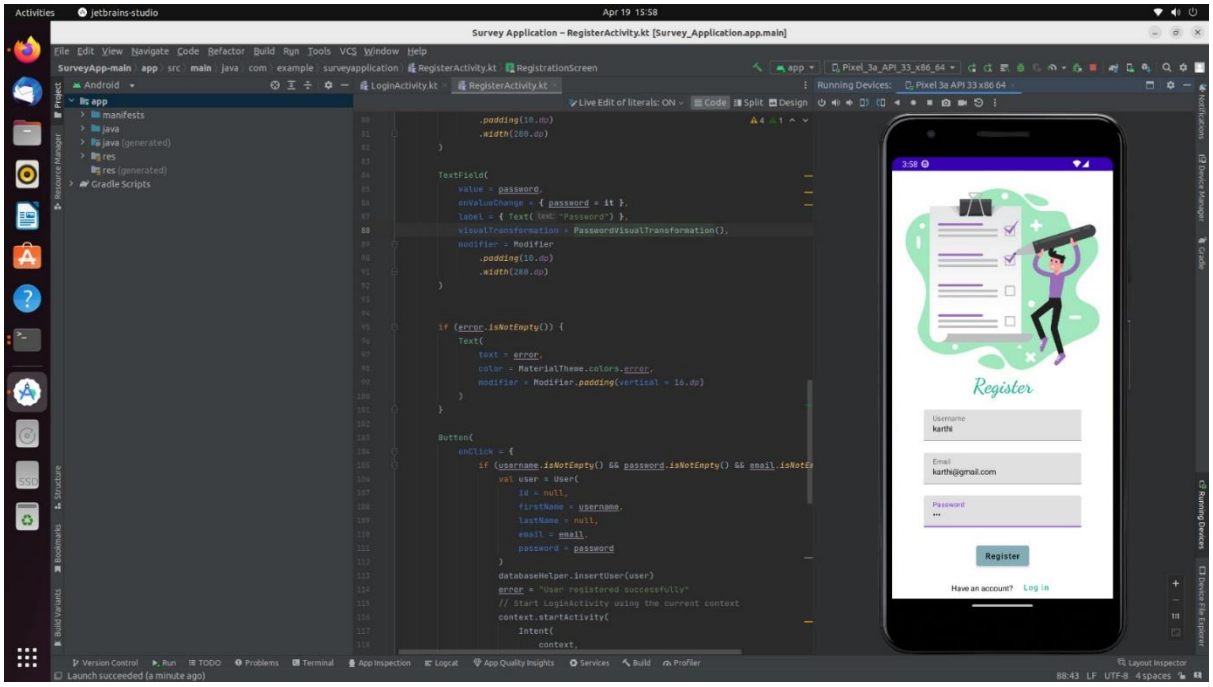
2.2 IDEATION & BRAINSTORMING MAP

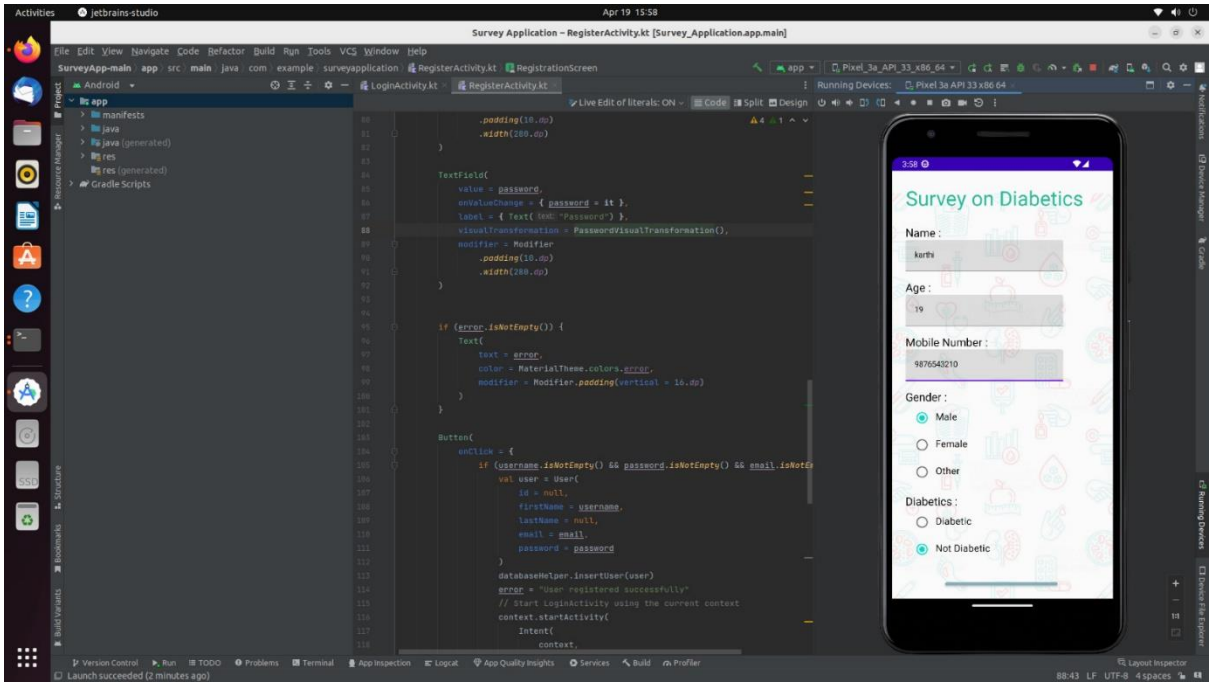


3. RESULT

3.1 ACTIVITY & SCREENSHOT






Survey Application – RegisterActivity.kt [Survey_Application.app.main]
Survey on Diabetics
Name :
karthi
Age :
19
Mobile Number :
9876543210
Gender :
Male
Female
Other
Diabetics :
Diabetic
Not Diabetic

4. ADVANTAGES & DISADVANTAGE

ADVANTAGES :

The advantages of a survey Android app can include:

Convenience: A survey app can make it easier to collect data and feedback from respondents, as they can complete the survey at their convenience using their smartphone or tablet.

Speed: Surveys conducted through an app can be completed quickly, as respondents can access and respond to the survey at any time and from any location.

Cost-Effective: Conducting surveys through an app can be more cost-effective than traditional methods, as it eliminates the need for paper, printing, and postage.

Accuracy: Survey apps can offer features like skip logic and response validation, which help to ensure that respondents answer questions accurately and consistently.

Real-Time Analysis: Survey apps can provide real-time data analysis, allowing researchers and businesses to quickly gain insights and make informed decisions based on the results.

Customization: Survey apps can allow for customization of the survey questions and layout, enabling businesses and researchers to tailor the survey to their specific needs and objectives.

Overall, a survey Android app can be a useful tool for collecting data and feedback quickly and cost-effectively, while providing accurate and customizable results for researchers and businesses.

DISADVANTAGES:

The disadvantages of a survey Android app can include:

Limited Demographics: Survey apps may be limited to respondents who have access to smartphones or tablets, which can skew the demographic of respondents.

Response Bias: The convenience and ease of completing a survey through an app may result in response bias, as respondents may not take the time to fully consider their answers.

Technical Issues: Technical issues like bugs or compatibility problems can cause the survey app to malfunction, leading to inaccurate or incomplete data collection.

Data Security: Survey apps may collect sensitive personal information from respondents, which can be a concern for data security and privacy.

Inadequate Questions: The quality of the data collected through the survey app may be compromised if the survey questions are poorly designed or inadequate.

Limited Reach: Survey apps may have limited reach if they are not marketed effectively, resulting in a small sample size and limited insights.

Overall, survey Android apps can be a convenient and cost-effective way to collect data and feedback, but they can also have limitations and potential drawbacks that need to be taken into consideration to ensure accurate and reliable results.

5. APPLICATIONS

The Survey Android app can have various applications, including:

Market Research: The app can be used for market research, allowing businesses to create and conduct surveys to gather information about customer preferences, behaviors, and opinions.

Feedback Collection: The app can be used for collecting feedback from customers or employees, providing a platform for users to ask questions and receive responses in real-time.

Academic Research: The app can be used for academic research, allowing researchers to collect data from study participants through surveys and analyze the results.

Public Opinion Polling: The app can be used for public opinion polling, providing a platform for users to create and distribute surveys on current events and social issues.

Customer Satisfaction: The app can be used for measuring customer satisfaction and loyalty, providing a way for businesses to gather feedback on their products and services and identify areas for improvement.

Overall, the Survey Android app can have various applications for research, feedback collection, and customer engagement, helping businesses and organizations to gather insights and make informed decisions.

6. CONCLUSION

In conclusion, the Survey Android app can have various applications for research, feedback collection, and customer engagement. It provides businesses and organizations with a platform to gather information and insights about customer preferences, behaviors, and opinions, which can be used to improve products and services, and make informed decisions.

Additionally, the app can be used for academic research and public opinion polling, making it a versatile tool for data collection and analysis. Overall, the Survey Android app is a valuable tool for businesses, researchers, and organizations looking to gather feedback and insights from their customers, employees, or study participants.

7. FUTURE SCOPE

The future scope of survey Android app is promising, with potential advancements in technology and data analysis leading to even more accurate and efficient survey features. Here are some potential future developments in this area:

Use of artificial intelligence: With advancements in artificial intelligence and machine learning, survey apps could potentially use these technologies to analyze survey data and provide more personalized insights and recommendations for businesses and organizations.

Integration with wearables: Survey apps could potentially integrate with wearable technology such as smartwatches and fitness trackers to collect data on user behavior and preferences, and use this data to provide more targeted surveys and recommendations.

Enhanced data visualization: Survey apps could potentially enhance their data visualization features to provide more dynamic and interactive visualizations of survey results, making it easier for businesses and organizations to understand and act on the insights gathered.

Gamification: Survey apps could potentially integrate gamification elements to make the survey-taking process more engaging and enjoyable for users, while also providing more accurate and useful data for businesses and organizations.

Improved security: Survey apps could potentially enhance their security features to ensure that user data is protected and kept confidential, and to prevent fraudulent survey responses.

Overall, the future of survey Android app is bright, with the potential to provide even more comprehensive and personalized survey features that make it easier for businesses and organizations to gather and analyze data, and make data-driven decisions that improve their products and services.

8. APPENDIX

A. SOURCE CODE :

```
package com.example.surveyapplication

import android.content.Context
import android.content.Intent
import android.os.Bundle
import androidx.activity.ComponentActivity
import androidx.activity.compose.setContent
import androidx.compose.foundation.Image
import androidx.compose.foundation.background
import androidx.compose.foundation.layout.*
import androidx.compose.material.*
import androidx.compose.runtime.*
import androidx.compose.ui.Alignment
import androidx.compose.ui.Modifier
import androidx.compose.ui.graphics.Color
import androidx.compose.ui.layout.ContentScale
import androidx.compose.ui.res.painterResource
import androidx.compose.ui.text.font.FontFamily
import androidx.compose.ui.text.font.FontWeight
import androidx.compose.ui.tooling.preview.Preview
import androidx.compose.ui.unit.dp
import androidx.compose.ui.unit.sp
import androidx.core.content.ContextCompat
import com.example.surveyapplication.ui.theme.SurveyApplicationTheme

class LoginActivity : ComponentActivity() {
    private lateinit var databaseHelper: UserDatabaseHelper
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
```

```
        databaseHelper = UserDatabaseHelper(this)
        setContent {

            LoginScreen(this, databaseHelper)

        }
    }
}

@Composable
fun LoginScreen(context: Context, databaseHelper: UserDatabaseHelper) {

    var username by remember { mutableStateOf("") }
    var password by remember { mutableStateOf("") }
    var error by remember { mutableStateOf("") }

    Column(
        modifier = Modifier.fillMaxSize().background(Color.White),
        horizontalAlignment = Alignment.CenterHorizontally,
        verticalArrangement = Arrangement.Center
    ) {

        Image(painterResource(id = R.drawable.survey_login), contentDescription = "")

        Text(
            fontSize = 36.sp,
            fontWeight = FontWeight.ExtraBold,
            fontFamily = FontFamily.Cursive,
            color = Color(0xFF25b897),
            text = "Login"
        )
        Spacer(modifier = Modifier.height(10.dp))
```