

Project Report Template

1 INTRODUCTION

1.1 Overview

A brief description about your project

1.2 Purpose

The use of this project. What can be achieved using this.

2 Problem Definition & Design Thinking

2.1 Empathy Map

Paste the empathy map screenshot

2.2 Ideation & Brainstorming Map

Paste the Ideation & brainstorming map screenshot

3 RESULT

Final findings (Output) of the project along with screenshots.

4 ADVANTAGES & DISADVANTAGES

List of advantages and disadvantages of the proposed solution

5 APPLICATIONS

The areas where this solution can be applied

6 CONCLUSION

Conclusion summarizing the entire work and findings.

7 FUTURE SCOPE

Enhancements that can be made in the future.

8 APPENDIX A. Source Code

Attach the code for the solution built.

1.Introduction

1.1Overview:

The number of email applications is expected to grow by another 300 million by 2023. So one is clear the email is not going anywhere. We use our emails to handle everything from works, projects, finance, personal connections and more. And now than ever, we want to able to quickly browse emails right from our smartphone.

This is a implementation of the reply material, an email client app that focuses on adaptive design for mobile, tablets and foldables.

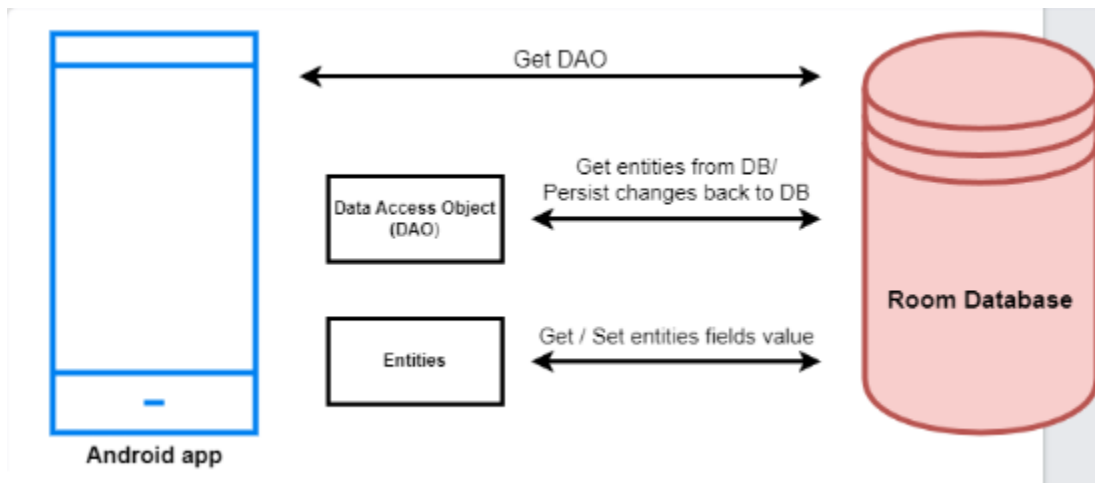
Modern digital life is hectic. Users are constantly switching between devices, apps, and services to get their job done. Adaptive cards help you increase engagement and efficiency by injecting your actionable content directly into the apps they use every day. **This adaptive email covers the fundamentals of designing and building a mobile-friendly email.**

Five reasons for choose adaptive mail

- 1. Modernize** your internal email campaigns with powerful audience segmentation capabilities.
- 2. Secure** information with the highest level of data security ensuring sensing information never leaves your data in cloud.
- 3. Manage** complex internal campaigns effortlessly withy best tools.
- 4. Enable** simplified send and view mail options.
- 5.continually improve** email communication.

1.2 Purpose:

Adaptive Mail app is a sample project that demonstrates how to use the Android Compose UI toolkit to build a conversational UI. The app simulates a messaging interface, allowing the user to send and receive messages, and view a history of previous messages. It showcases some of the key features of the Compose UI toolkit, data management, and user interactions.



2 Problem Definition & design thinking

2.1 Empathy map

Says: "I need an email system that can adapt to my changing priorities throughout the day"

Think: I don't want to waste time shifting through mails that are not important or urgent. I need a system that can help me quickly identify the most important emails.

User: A busy professional who receives a large volume of emails daily and needs to prioritize and manage them efficiently.

Feels: Frustrated when important emails get buried in the inbox and overwhelmed with the amount of email received daily.

Does: skims through email quickly, uses filters and labels to organize emails, and responds promptly to urgent emails.

Pain: Too many emails to manage efficiently, difficulty in identifying important emails, and need to constantly adjust priorities throughout the day.

Gain: More time to focus on important tasks, reduce stress and anxiety, and increase productivity.

2.2 Ideation & Brainstorming Map

User Interface

Clean and simple UI

Ability to customize the layout and colors

Option to view emails by conversation or individually

Personalization

Customized email categories based on user preferences

Ability to create custom tags for emails

Machine learning-based email sorting

Smart Features

Suggest replies based on email content

Reminders to follow-up on important emails

Automatic email categorization based on content

Integration

Sync with multiple email accounts (Gmail, Outlook, etc.)

Integration with calendar apps

Security

Two-factor authentication for account security

Option to encrypt emails

Spam and phishing protection

Analytics


View email open rates and response rates

Insights into email usage patterns

Ability to track the success of email campaigns

3 RESULT:

Home page:



Login

Username

Password

Login

[Sign up](#) [Forget password?](#)

Register page:



Register

Username

Hema

Email


gshema2312@gmail.com

Password

....

Register

Login page



Login

Username
Hema

Password
....

Login

[Sign up](#) [Forget password?](#)

Home Screen



Send Email

View Emails

Send mail:

Send Mail

Receiver Email-Id

Email address
gshema2312@gmail.com

Mail Subject

project title

Mail Body

Adaptive Email client app

Send Email

View mail:

View Mails

Receiver_Mail: gshema2312@gmail.com
Subject: Event
Body: Mahavirjeyanthi

Receiver_Mail: gshema2312@gmail.com
Subject: project title
Body: Adaptive Email client app

4 Advantages and disadvantages:

ADVANTAGE:

- ☐ The app shows the most relevant information to the user.
- ☐ If the user is male then the app will show male items and information to the user and if a user is female then the information presented to the user is of female type.
- ☐ If you are an old man then the app will adapt according to your age. It will show you an easy interface and big fonts.
- ☐ If you are a kid then the app will show you that level of the interface that is easy to use for kids.
- ☐ The adaptive user interface changes according to the type of task you want to perform.
- ☐ This will increase the stability of the system.

DISADVANTAGE:

- ☐ It is difficult for a user interface designer to design different types of interfaces for different levels of tasks and types of users.
- ☐ The time spent on the app development increases because there is a lot of work to be done.
- ☐ The overall code of the website and the size of the app increase if the user interface is adaptive.
- ☐ The apps and websites using adaptive user interfaces use more computer resources.
- ☐ The RAM and processing speed are slower than normal apps.
- ☐ So users hesitate to provide such private information.
- ☐ This information is used by the app for showing different items on the screen.

5 Application

An adaptive email application is an application that learns from a user's email behavior and adapts to their preferences and needs over time. This type of application can help users manage their email more efficiently by automatically prioritizing important messages, sorting them into categories, and suggesting responses.

One way to apply an adaptive email application solution is by using machine learning algorithms to analyze the user's email behavior, such as which messages they read and respond to quickly and which ones they tend to ignore. The application can then use this information to suggest ways to organize the user's inbox, such as creating filters to automatically sort emails into different folders or highlighting important messages.

Another way to apply an adaptive email application is by using natural language processing (NLP) techniques to understand the content of the emails and suggest relevant responses. For example, if the user receives an email asking for a meeting, the application can suggest a few potential meeting times based on the user's calendar availability.

Overall, an adaptive email application can provide users with a more personalized and efficient email experience, saving them time and helping them stay organized.

6 Conclusion

In conclusion, an adaptive email application is an application that uses machine learning algorithms and natural language processing techniques to learn from a user's email behavior and adapt to their preferences and needs over time. By analyzing which messages, the user reads and responds to quickly, the application can suggest ways to organize their inbox, such as creating filters to sort emails into different folders, highlighting important messages, and suggesting relevant responses based on the email content.

An adaptive email application can provide users with a more personalized and efficient email experience, saving them time and helping them stay organized. It

has the potential to improve productivity and reduce stress associated with managing a large volume of emails. However, the effectiveness of an adaptive email application largely depends on the quality of its machine learning algorithms and NLP techniques, as well as its ability to protect user privacy and data.

In conclusion, an adaptive email application is an exciting area of development for email management and has the potential to revolutionize how we interact with our inbox.

7 Future scope:

In the adaptive email client app in future we should add delete option. Now the project contains send and view mail options. When the delete option is added to this it become more flexible and user friendly one. In normal Gmail it contain many facilities like spam mail, junk mails and etc. We also add the feature to view the deleted mails and add the option to restore it. When these types of features are added together with this adaptive mail it become more user friendly one .

8 APPENDIX

Source code in zip file format