PROJECT REPORT FOR

Adaptive Mail: A Flexible Email Client App

**INTRODUCTION**

Adaptive Mail is a cutting-edge email client application designed to provide users with a flexible and customizable experience for managing their email communications. This app allows users to easily manage their multiple email accounts in one place, providing them with a streamlined and efficient way to stay on top of their emails. With its intuitive and user-friendly interface, Adaptive Mail offers a wide range of features that make it easy to compose, read, and organize emails, such as drag-and-drop functionality, customizable email templates, and advanced search filters. Additionally, the app adapts to the user's preferences and habits, learning from their behavior and offering suggestions to help them save time and stay productive. Whether you're a busy professional or a casual email user, Adaptive Mail is the perfect solution for those seeking a flexible and efficient email management experience.

**Purpose**

The purpose of an adaptive mail client app is to provide users with a flexible and customizable email experience that adapts to their specific needs and preferences. An adaptive mail app may offer features such as customizable email templates, automatic sorting and filtering of emails based on user-defined criteria, integration with third-party services and apps, and the ability to personalize the user interface.

By offering these features, an adaptive mail app can help users save time and improve their productivity by streamlining their email workflows. For example, if a user receives a large number of emails each day, an adaptive mail app can help them prioritize and manage their inbox more efficiently by automatically categorizing emails based on their content or sender.

In addition, an adaptive mail app can help users stay organized and on top of their email correspondence by providing features such as reminders and notifications for important messages, the ability to schedule emails to be sent later, and the option to set up multiple email accounts in a single app.

**2. Problem definition and Design Thinking**

Many users struggle with managing their email inboxes efficiently and effectively due to the overwhelming volume of messages, complex organizational needs, and lack of customization options in traditional email clients.

Using design thinking, the Adaptive Mail team might approach this problem by following a five-step process:

**Empathize**: The team would seek to understand the needs and pain points of email users through user research and analysis. This might include surveys, user interviews, and observation of user behaviors.

**Define**: Based on the user research, the team would define the problem and create a problem statement that clearly articulates the challenge that needs to be addressed.

**Ideate**: The team would generate ideas for potential solutions to the problem. This might involve brainstorming sessions, idea generation exercises, and prototyping.

**Prototype**: The team would create prototypes of potential solutions, such as wireframes or mockups, and test them with users to get feedback and refine the design.

**Test**: The team would conduct usability testing and gather feedback from users to refine the design and ensure that it meets the needs of email users.

**RESULT**

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| --- | --- |
| OBJECT NAME | FIELDS IN THE OBJECT |
| Creating a new project | Creating a database classes |
| Database 2 |
| Android manifest file.xml | running the application |
|  |  |

**Trailhead profile public URL**

Team Lead : <https://trailblazer.me/id/monms1>

Team member1: <http://trailblazer.me/id/pravm39>

Team member2: <https://trailblazer.me/id/lprabha19>

Team member3**:** <https://trailblazer.me/id/mjeni1>

**Advantage and disadvantage**

Advantages of Adaptive Mail:

* Flexibility: Adaptive Mail is a flexible email client app that can be customized to meet the needs of individual users. It allows users to create custom email templates, automate tasks, and integrate with other apps and services.
* Time-Saving: With features such as templates, automation, and integrations, Adaptive Mail can save users a lot of time when managing their emails. It can also help users prioritize their emails by filtering out spam and organizing emails based on importance.
* Accessibility: Adaptive Mail can be accessed from anywhere, on any device, as long as there is an internet connection. This allows users to stay connected and productive while on-the-go.

Disadvantages of Adaptive Mail:

* Learning Curve: Adaptive Mail is a feature-rich app, which can make it challenging for new users to learn how to use all of its features. This can lead to frustration and a slower adoption rate.
* Security Risks: Like any email client, Adaptive Mail can be vulnerable to security risks, such as hacking and phishing attacks. Users need to be vigilant about protecting their accounts and data.
* Dependence on Internet: Adaptive Mail relies on an internet connection to function properly. This means that users may not be able to access their emails if they are in an area with poor internet connectivity.

**Project discription**

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.