Unify All access key
Spring 2023 Group 5
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The application which we intend on making is Unify- All access key. This is an application that takes many cards and converts them into a single card. The purpose of this project is so that the users have easier access to all of their cards but do not have to all of the cards which forces them to carry big wallets. This is not a life-threatening issue but this causes users a lot of inconveniences. Also, a lot of the time the users forget to carry their wallets or some particular card which wastes the time and effort they had to take to go from the place a to place b. This app basically provides all of your cards that use RFID into one card that can be controlled with the application.

Users can add and remove their cards from the application at the convenience of their fingers. They can also see the recurring payments they are paying from the card or payments which are made to maintain the memberships. They could also view the memberships that they are currently paying for as well as have them recommend new memberships that they can purchase using this app. What this does is save them the hassle of carrying their membership cards to the places which ensures that they do not forget the cards at home.

There is also a messaging feature in this application that allows the users to talk to people who have similar interests as them and help them connect with new people and make new friends. For example, if you go to a gym and you need someone to work out with then you can find a person who is going to the same gym as you at the same time and you both can start talking and become friends.

Apart from users, businesses that require cards or passes to enter, such as gyms, can also use the application to offer their memberships, promoting their business and making it easier for users to get memberships. The app can also be used by entertainment and event businesses, as it can offer tickets to their services, which will help eliminate the middleman and reduce the ticket fee charged by other applications and save users money while making it more convinent to carry the pass in their all-access card or their phones in the application.

Unify is a multi-purpose application bringing the most imperative functions used in our day-to-day life under the hood of a single application. The functions of the app include -

1. Subscription management
2. Membership management
3. Manager
4. One tap payments

5. Entertainment.
6. Navigation system
7. Social component

The application starts with prompting the user to signup or login. If the new user creates an account, he is prompted to enter personal information. Then, the user is asked to set up multiple parts that they will be managing using the app. For example, entering payment methods to pay for one tap payment, inputting subscribed information to be managed etc. After entering all the necessary information, the user will be transferred to display the home screen of the application which consists of Movie Recommendation, Subscribed services management options, RFID card management etc.

For online payments to properly function, Unify must have the ability to integrate the banking companies in the app. Unify would have to integrate bank APIs for it to function properly because as users enter their banking information, some companies, like Chase, Bank of America, etc, offer their APIs and we worry that some of them have different functionalities but our software developer team shall learn those APIs through the provided documentation.

To measure the success of the application, the project team plans to ask users about the difference in the number of cards they carry before and after using the application. They also plan to gather data on how the app helps users remember their cards and subscriptions, reducing the likelihood of forgetting or missing payments.

The final goal of the work is to simplify the process of carrying multiple cards and make it easier for users to manage their subscriptions and payments. By reducing the number of cards users have to carry, the application will make traveling more comfortable and less burdensome. The app also aims to make all of the new as well as regular places easier to access.

In conclusion, the Unify-All Access Key application aims to make the lives of users more convenient by simplifying the process of carrying multiple cards and subscriptions. With its chatting feature and social platform, it offers a unique and exciting experience for users. Additionally, by providing businesses with a platform to offer their memberships and tickets, it can help promote their business and make it easier for users to obtain memberships and tickets.