Team-05 Vision Statement

Project Title: Salauth

Team Name: Team MIRJE (merge)

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Members:

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Project Info

Our project Salauth aims to be a FaceID authentication service that can be used by websites as a form of authentication similar to services offered by Facebook, Google, and Apple. When signing up for sites, often you are met with an option to sign in using these authentication services which are more trusted by users when facing websites one is not familiar with. The purpose of these options is to provide a trusted and secure "Sign In With" button that leads to an account creation or settings page. With the recent adoption of FaceID, easily accessing sensitive information has become effortless but is still not widespread throughout the internet. We want Salauth to be the service that provides the option to sign in using your face. When signing into a web service, the device used commonly has a camera whether it be a phone or laptop. Leveraging this access we want to provide users with the ability to identify themselves with their camera and give permission to share profile information with the website they are looking to sign into. This would eliminate the need for users to remember usernames and passwords, as simply having a device with a camera would sign them into their accounts.

We want to create this authentication service and possibly integrate with the AppFolio website to allow this new sign in functionality, though for initial testing we plan to create a demo website to showcase the technology. Use of this service will allow users to save time entering security information, and make saving login information a thing of the past.

Project Milestones:

Our first milestone once we have our technology stack fleshed out would be to set up our development environment. This would mean setting up both a desktop and mobile interface where our users could successfully register an account with our service to store their most updated face scan. This also means we would need to set up a coherent facial scanning system to be integrated in our app. Our next milestone would be to set up a dummy website that calls upon an API we would create. This API would communicate with the user database that our service has as well as the user database the dummy website has to execute the authentication. This portion of the project would involve implementing feasible security measures to ensure user protection. Once we can get this workflow secure and polished, we would hope to be able to launch it to a real working website (or the QA of one) such as AppFolio to show its usefulness.

Project Outcome:

The end goal of our project is to have a mobile app and service that can be used to authenticate yourself and create/login to accounts using facial recognition. We plan to have the app be a central point for users to manage their data and services they are registered with using our product, as well as managing general account settings. We also plan to create APIs to provide the actual authentication services. After creating a demonstration with our test site, we hope to be able to incorporate this technology with real-world companies like Appfolio. The best outcome is an application that is used by many and trusted to authenticate themselves.

Process Model:
- Daily scrum meetings
- Weekly mentor meetings with Appfolio mentors
- Github issue control and Version tracking
- Trello board with 2 week sprints
- Communication via Slack