**Progress Report**

**- Increment 1 -**

**Group #21**

# Team Members

Irfan Y. (iy22b) - iyilmaz24

Gabriel B. (gr22d) - GabrielBarros36

Leonardo N. (lmd22j) - leonascim21

1. **Project Title and Description**

File Portal - A lightweight web application that allows transmission of data/files in real time between two computers, or allows a user to drop a file, with the option to encrypt and/or lock it with a password, and send an invite to retrieve the file to another user with a link or email.

1. **Accomplishments and overall project status during this increment**

In this increment we were able to collectively agree on styling, and overall branding of the software. We went with a gamified, magic like theme. We sourced all of our images, chose color palettes and agreed on a general user interface. We also have the rest of the front-end planned out as well. We made a good stride in this increment and will look to continue with this momentum in the next. We are almost finished with the front-end and will start the back-end part of the project in this upcoming increment,.

1. **Challenges, changes in the plan and scope of the project and things that went wrong during this increment**

Nothing went wrong in this increment to be completely honest. The group was definitely thrown off by the hurricanes and being able to adjust and focus again after weathering through them. But we do know how we want to approach building the backend functionality of our app, and so are excited to get started soon. We plan to use Web RTC for real time communication between two clients. We are going to continue researching and looking for options for the file drop and share.

1. **Team Member Contribution for this increment**

a) Leonardo wrote the Stakeholder Communication section of the Progress Report. Gabriel wrote the Team Member Contribution section. Irfan wrote the rest of the Progress report.

b) Leonardo wrote the Overview, Class Diagram, Operating Environment, and Assumptions and Dependencies sections of the RD document. Gabriel wrote the Functional Requirements, Non-Functional Requirements, and Use Case Diagram sections of the RD document.

c) Irfan wrote the Implementation and Testing document.

d) We pair programmed the front-end source code we have so far on Irfan’s MacBook.

e) Irfan filmed the video documenting our project.

1. **Plans for the next increment**

In the next increment we hope to start the back-end portion of the project and finish the front-end completely. We will look to add more pages for the front-end, and make sure there is consistent styling and branding throughout the app. The back-end will need to be secure and scalable, but also practical and quick enough for a decent amount of traffic. We plan to look into Web RTC for real time data transfer, and something for the file encrypt + drop and share.

1. **Stakeholder Communication**

Dear Stakeholders,

I am writing to inform you about our current status regarding the development of our applications and provide insight on what you can expect in the future.

We have already designed the main interface of our application to provide a visual framework of how the application’s core features will be implemented. We went for a gamified magic theme and already selected all the images and color palette for the user interface.

We are wrapping up the front-end of our application and will shortly begin working on the back-end functionalities of the application, such as implementing the ability for users to upload files, encrypt them, and securely share them with other users.

Some challenges we faced during the start of the development was making sure that the user interface was engaging and clear to users. To tackle this challenge, we experimented with using styling frameworks to guarantee our application would be responsive and consistent on both desktop and mobile devices.

We are working diligently to make sure we can progress from this early design stage to a fully-functional application that provides all the functionalities requested and is scalable, performant, and highly available.

Thank you for the continued support and interest in our project.

Best Regards,

Group 21

1. **Link to video**

[Video Link](https://youtu.be/jEx72gA7IXI)