## Team 13 Deliverables Meeting 2

### User Requirements

The user should be able to log in via a username and associated image password. The image should be provided to the user via an image bank and the user should be able to scramble the image via grid squares. After saving their image password, the user should be able to sign out and sign in using the password.

### System Requirements

Functionality: Log in database system, image bank database, password scrambler utility, password database

Services: Firestore, Web UI, Hosting service

Operational Constraints: The user can only have one password, and has a select number of images to select from to scramble

### Risk Analysis

Risks:

1. Learning and configuring the database systems in FireStore
2. Designing the UI for the webpage
3. Splitting an image into a grid
4. Website or Database hosting service goes offline

Possible Mitigations:

1. Learning the database systems via sites like YouTube
2. Finding resources for best practices for UI design
3. Finding and learning javascript image libraries with image manipulation capabilities
4. Using cloud based services like Google FireBase for hosting