

# Milestones List

## Milestones - Grant

- Establish a working connection to a PHP database
  - Establish a connection to the PHP database, phpMyAdmin. We will need to make sure that we are able to successfully send and retrieve data from this database
- Create a Google Drive application
  - Through the use of Googles developer tools, we need to create a “template” application for use of testing and building up our application components.
- Setup an authorization system for the Google Drive application
  - Establish a workflow for the authorization type, OAuth2.0
- Implement an interface for recording audio files
  - Create the functionality for recording audio files and storing them into the database
- Establish method for uploading recorded audio/video files to Google Drive
  - Create the functionality for retrieving the audio/video files from the database and uploading them to Google Drive

## Milestones – Kyle

- Implement an interface for recording video files
  - Create the functionality for recording video files and storing them into the database
- Implement a version of secure encryption methods
- Establish method for using generated private/public key pairs

## Milestone – Josh

- Develop an overall design concept for the application
  - Create and design the overall theme/aesthetic for the application
- Develop a Home page design template
  - Create the design layout for the Home page of the application
- Develop an Audio page design template
  - Create the design layout for the Audio page of the application
- Develop a Video page design template
  - Create the design layout for the Video page of the application

## Timeline

Tasks	Start Date	Completion Date
Research how to create a Google Drive application	10/1/20	11/1/20
Research how to authorize users when accessing application	10/1/20	11/1/20
Research Recorder.js structure (what code it is made of)	10/1/20	12/11/20
Research Recorder.js implementation (how to use it)	10/1/20	12/11/20
Implement database – phpMyAdmin	10/1/20	11/1/20
Research getUserMedia api structure (what code it is made of)	10/1/20	12/11/20
Research getUserMedia api implementation (how to use it)	10/1/20	12/11/20
Research various quantum secure encryption methods	10/1/20	12/11/20
Research ways to generate private/ public key pairs	10/1/20	12/11/20
Develop an overall design for our application	10/1/20	12/11/20
Home page template	10/1/20	12/11/20
Audio page template	10/1/20	12/11/20
Video page template	10/1/20	12/11/20
MileStones	Completion Date	
Establish a working connection to a PHP database	11/1/20	
Create a Google Drive application	11/1/20	
Setup an authorization system for the Google Drive application	11/1/20	
Implement an interface for recording audio files	12/11/20	
Establish method for uploading recorded audio/video files to Google Drive	12/11/20	
Implement an interface for recording video files	12/11/20	
Implement a version of secure encryption methods	12/11/20	
Establish method for using generated private/public key pairs	12/11/20	
Develop an overall design concept for the application	12/11/20	
Develop a Home page design template	12/11/20	
Develop an Audio page design template	12/11/20	
Develop a Video page design template	12/11/20	

## Effort Matrix

Effort Matrix – Grant	
Tasks	Effort Quantity
Research how to create a Google Drive application	10%
Research how to authorize users when accessing application	15%
Research Recorder.js structure (what code it is made of)	60%
Research Recorder.js implementation (how to use it)	
Implement database – phpMyAdmin	15%
Effort Matrix – Kyle	
Tasks	Effort Quantity
Research getUserMedia api structure (what code it is made of)	50%
Research getUserMedia api implementation (how to use it)	
Research various quantum secure encryption methods	25%
Research ways to generate private/ public key pairs	25%
Effort Matrix – Josh	
Tasks	Effort Quantity
Develop an overall design for our application	25%
Home page template	25%
Audio page template	25%
Video page template	25%