# Sprint 1, 15th - 21st April:

## Sprint Planning:

* For the first sprint the obvious first step was to set up the visual front end of the program.
  + This included adding visual elements such as the login in and account creation pages with text boxes for entering account details and the main menu of the bank.
  + We chose this as the first step as it provided a great platform for the rest of the application to be built off.
* Research into potential methods of setting up two-factor authentication and database encryption was to be researched during this sprint as well.
  + This was because once a suitable library for these tasks is identified we can begin planning how to implement it.

## Sprint Evaluation:

* Both tasks set out for the first sprint were completed. Mitchell completed the basic front end and James investigated potential methods for the 2FA.
* The front end was set up properly however not pushed to the GitHub as not enough work was completed.
* The “Google Authenticator” library was chosen to be used for the Two-Factor Authentication feature.
* When it came to encrypting the database, it was discovered that visual studio has an in-built encryptor for its data.

# Sprint 2, 22nd – 28th April:

## Sprint Planning:

* For the second sprint we decided to get the two-factor authenticator working separately from the main application to discover how it works and how it would be implemented in the bank application.
* It was also discussed that further detail should be added to the User Stories and the SRS document, such as the acceptance criteria of each story and the requirements for the project.

## Sprint Evaluation:

* The two-factor authenticator was successfully implemented by James a separate purpose-built project.
* The testing authenticator was not pushed to the main branch as it was not implemented to the main application.
* Michael also updated the User Stories to contain the acceptance criteria and further revised the SRS to allow for a deeper understanding of the project.

# Sprint 3, 28th April – 4th May:

## Sprint Planning:

* This sprint week was all about the backend server database.
* The goals for this week were:
  + Set up the backend server.
  + Set up the data encryption for the server.
  + Allow account creation and storing it on the server.
* Due to time constraints further sprints shall take place during a shorter time frame.

## Sprint Evaluation:

* Using the previously researched methods on database encryption a database was set up by Mitchell and the data stored on it was encrypted.
* It was decided that now that the database is set up the next steps would be to implement more front-end information such as the transaction history and current balance.

# Sprint 4, 4th – 7th May:

## Sprint Planning:

* As mentioned in the previous sprint the next most important features to implement were to do with visualising account information such as account name, balance, and transaction history.
* These features need to be implemented and pushed onto the main branch on GitHub.

## Sprint Evaluation:

* The transaction history was added to the main menu by Mitchell and Michael.
* The accounts balance was added to the main menu by Mitchell and Michael.

# Sprint 5, 7th – 8th May:

## Sprint Planning:

* For the last sprint many features needed to be implemented due to the deadline being close.
* The last features to be added are:
  + Money withdraws and deposit.
  + Editing account details.
  + Closing an account.
  + Check books and cards.
  + Recurring payments.

## Sprint Evaluation:

* All features were finished and pushed onto the main branch of the GitHub by Mitchell and James.