GitHub

Clone	Fork
Done using Git	Done using GitHub
Entire repository is copied to your local machine.	Copy of the original repository is created in your github account.
Changes made in the local repository can be pushed to the original repository only if the user has write access to the original repository.	Changes made can be merged with the original repository via a pull request.

AWS Lambda

- Handler: A method from where your function starts
  - Entry point for lambda function
  - Lambda function accepts JSON formatted input and returns JSON output
- Runtime:
  - Language selected to write / execute your lambda code.
- Trigger
  - Event to invoke the lambda function

Third Party API's

- Third party API's are API's provided by other companies to allow you access to their data.
- They expose their data via an API endpoint
- The company or third party can choose to expose all the data or only certain fields / information in the data.
- These API's are hosted on the third party servers and an endpoint(URL) is provided for the other parties to access them.
- Eg. Weather information, Bitcoin prices, past stock prices etc.

Firebase & Firestore - Data Model

- Data is stored as documents which are organized as collections.
- Documents are the lightweight records which has data in the form of key / value pairs.
- All documents must be stored in collections.
- Each document is identified by a name.
- Firestore supports a variety of data types for values , such as boolean,number ,string , binary blob and timestamp.

```
docRef.get().then(function(doc) {
    if (doc.exists) {
        console.log("Document data:", doc.data());
    } else {
        // doc.data() will be undefined in this case
        console.log("No such document!");
    }
```

Module: BT3103
Details:hello