**PROJECT NAME: [DJANGO] BANK APP**

**INTRODUCTION**

* **Why Django?**

Using Django majorly because of the functionality aspect of the project.

Django is a python web-framework that enables rapid development of secure and maintainable websites. It has all the fields and behaviors for storing data. All models within Django direct to a single database table, making the development process streamlined regardless of the data type you are storing.

**ARCHITECTURE**

The project has a standard Model-View-Template (MVT) architecture, consisting of the following components:

**Models:** The database schema for storing customer information, account details, transaction history, and other relevant data.

**Views:** The Python functions that handle incoming requests and generate responses for different pages and actions.

**Templates:** The HTML files that define the structure, layout, and content of different pages and components.

**Static:** These are files that don’t change when the application is running. For instance, the images, css files.

**URLs:** The mappings between the incoming URLs and the corresponding views.

**FUNTIONALITY**

The following functionalities are offered by the project:

1. **User Registration and Authentication:** Users can signup for an account, login and logout out of their accounts.
2. **Account Management:** Users will be able to view their basic details which includes their first name, last name, email address, account number and account balance.
3. **Transactions:** Users will be able to make deposits, transfers to another account and also make withdrawals.
4. **Alerts/Notifications:** Successful or Non-Successful alerts will be display while interacting with any of the functionality of the project.

**TERMINOLOGIES**

External dependencies used in the project includes:

1. **Django:** This is the python web framework that powers the project.
2. **PostgreSQL:** The relational database management system that is used to store the data of the project.
3. **Font-Awesome:** This provides the icons used in the project
4. **Bootstrap:** The front-end framework that provides the project with a responsive and modern UI.