Project Architecture

## Logical software architecture: **3-tier web-based architecture pattern**

The project will follow this architecture pattern as the Django web framework is being used for development, and cannot serve the web application on its own. Django acts as the application server, containing the business and application logic. During development, each members’ workstation acts as the Web server, before the full product is eventually hosted on an external host. The Database hosts all the permanent data for the application, but can be updated after operations are performed on the data at the Application server layer. The Presentation layer contains the user interface that is presented to the client when they request the application through their web browser.

Application Server Layer

Database Layer

Web server Layer

Presentation Layer

## Physical software architecture

Database

Django framework

Localhost / Remote web server

Web Browser

Table 1

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Processing site data (admins)

Processing user data

Item selection

Log in

Account Registration

Serving items

HTML views

HTML/CSS design

Menu

Client-side input field validation