**Designing Online food service platform in Django**

**Core idea**

Designing any type of e-commerce platform is not difficult, as we have core idea of the functionality needed for our platform. Take any type of e-commerce platform the fundamentals features remains same. Even for the specific kind of e-commerce platform, we have the idea of what we are going to build. With an abstract overview features of my project or any e-commerce platform looks like this:

- User management

- customer and vendor type of user permission control

- managing cart

- managing the product list of the vendor / menu

- displaying vendors and their products

- orders and payments

- Email sending at various stages

Above mentioned features are core features which we can expand it a bit by how it will work, but that’s the basic format in which i started to design the actual models and then detailed functionality of each.

**Designing the database**

The process of designing the database, what I learned from the projects I built, it always starts with the user management.

For this or any e-commerce platform, there going to be two type of users. Vendors and Customers. We will built the features which are same for both, and some which are different - exclusive. As for the vendors will need extra approval for uploading their menu(containing food items) in our website, we can make separate model for the vendor profile. So from this I can visualize there should be 3 models, User, UserProfile, vendorProfile. User model we will use to store the information used in authentication. UserProfile model for storing user personal details. These both would be shared by both type of users. Now for the vendors we will make extra model: VendorProfile. It will contain vendor user related data, like Licence, approved/banned status, etc.

**Models for user management:**