# Dependencies for project

### **User Front-End**

1. **Flutter**: in this we utilize MVC is a design pattern that separates the application into three main components: Model, View, and Controller.
2. In our project **Controller** is folder which holds business logic of project.
3. **Model** is a class which holds attributes of an entity like Products, Users to store their instances. Which will be managed state-fully in Controller to pass it to Views.
4. **Views** are dart classes to create our pages and it is sub divided in **widgets** folder. Widgets folder contains our state-managed widgets like product-card to be displayed in product-list page.
5. **Dependencies**

|  |  |  |
| --- | --- | --- |
| No. | Package names | Reason |
| 1 | **image\_picker: ^1.0.5** | allows you to launch the image picker interface on both iOS and Android devices. Users can select images from their gallery or take new photos using the device's camera. |
| 2 | **flutter\_svg: ^2.0.9** | allows you to easily display scalable vector graphics (SVG) in your Flutter application. SVG is an XML-based vector image format. |
| 3 | **lottie: ^2.7.0** | render and play back After Effects animations in real-time on mobile and web applications. |

### **Back-End**

1. **Authentication**: Supabase offers authentication services, enabling developers to manage user authentication, including sign-up, sign-in, and user management.
2. **Dependencies:**

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| --- | --- | --- |
| No. | Package Name | Reason |
| *1* | *get: ^4.6.6* | a state management solution and framework |
| *2* | cached\_network\_image: ^3.3.0 | It provides an easy way to load and cache images from the network. |
| *3* | razorpay\_flutter: ^1.3.5 | Integrate Razor-pay an Open Source payment gateway with flutter. |
| *4* | url\_launcher: ^6.2.2 | This package is particularly useful for integrating external links or launching specific apps (e.g., email, maps) from your Flutter application. |

### **Database**

1. **Dependencies**:
2. supabase\_flutter: You can use Supabase-flutter to interact with your Postgres database, listen to database changes, invoke Edge Functions, build login and user management functionality,
3. **SQL platform:**
4. Supabase: It comes with a PostgreSQL database, which is known for its reliability, scalability, and support for complex queries.
5. Storage: Supabase includes object storage for file uploads, providing a scalable solution for handling assets like images, videos, and documents.