Technical Design of the proposed System:

Online gardening platform for urban gardening can be implemented both as web application and mobile application. At first we modeled the activity diagram for our solution at the first stage of our research on the software development of the proposed product. Now we are forward to implement the system design into web application framework Laravel 5. Also we have implemented our software design into the mobile application development OS android. There are four major modules to implement our software design:

For the web application:

1. Admin Module:

   This is the module where server/app administrator manages the user roles, privileges and other administrative tasks of the web application

2. User Module:

   This is the module which is used by 3 types of user category:

   Customer, Nursery Owner/Gardener, Service Provider

3. Authentication Module:

   This module helps the users or administrator to validate the form data or other data driven functions.

4. Data Management module:

   This module helps the end users to manage their information also this module can predict/suggest new information via its data visualization capability.

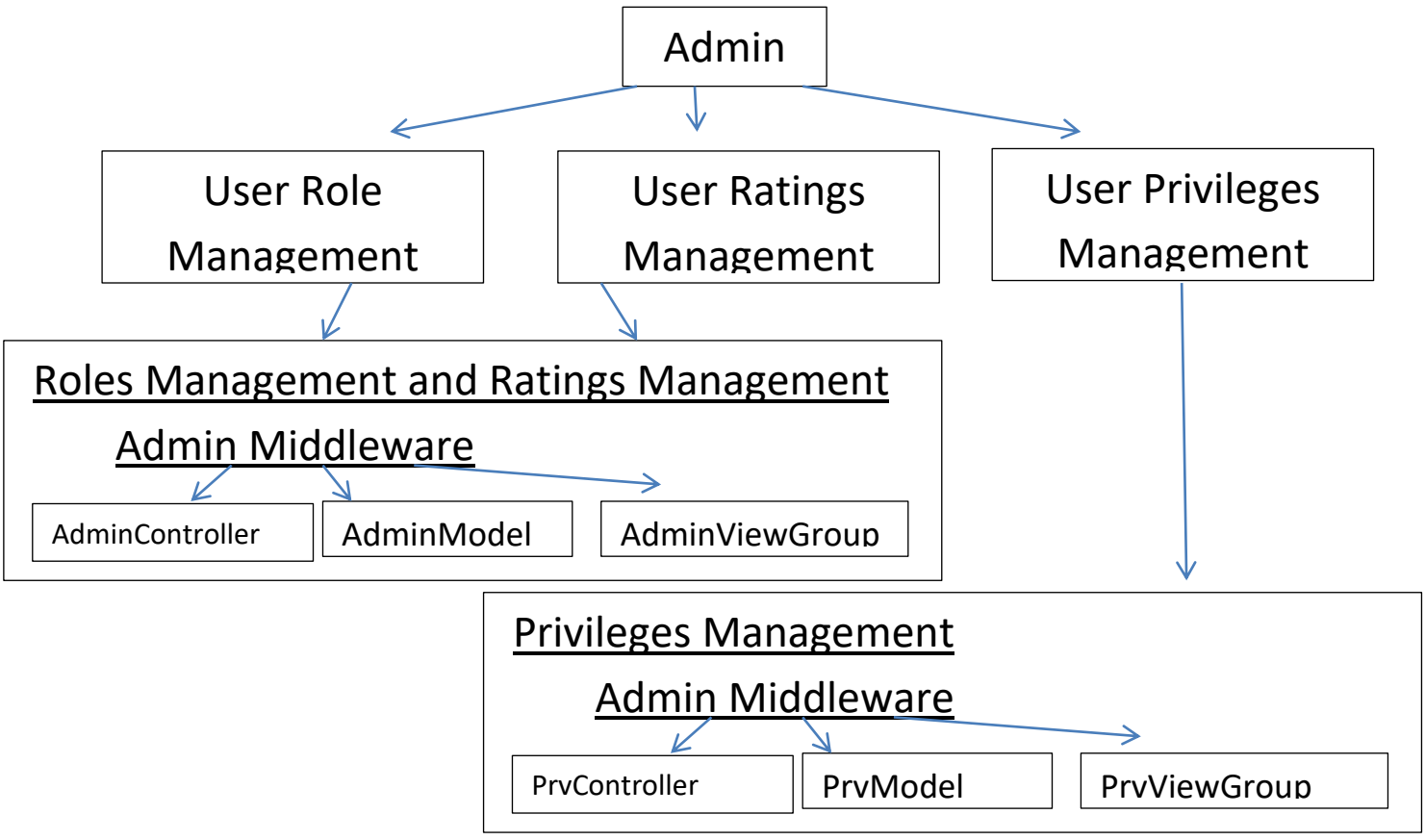


Figure: Admin Module of the Web Application

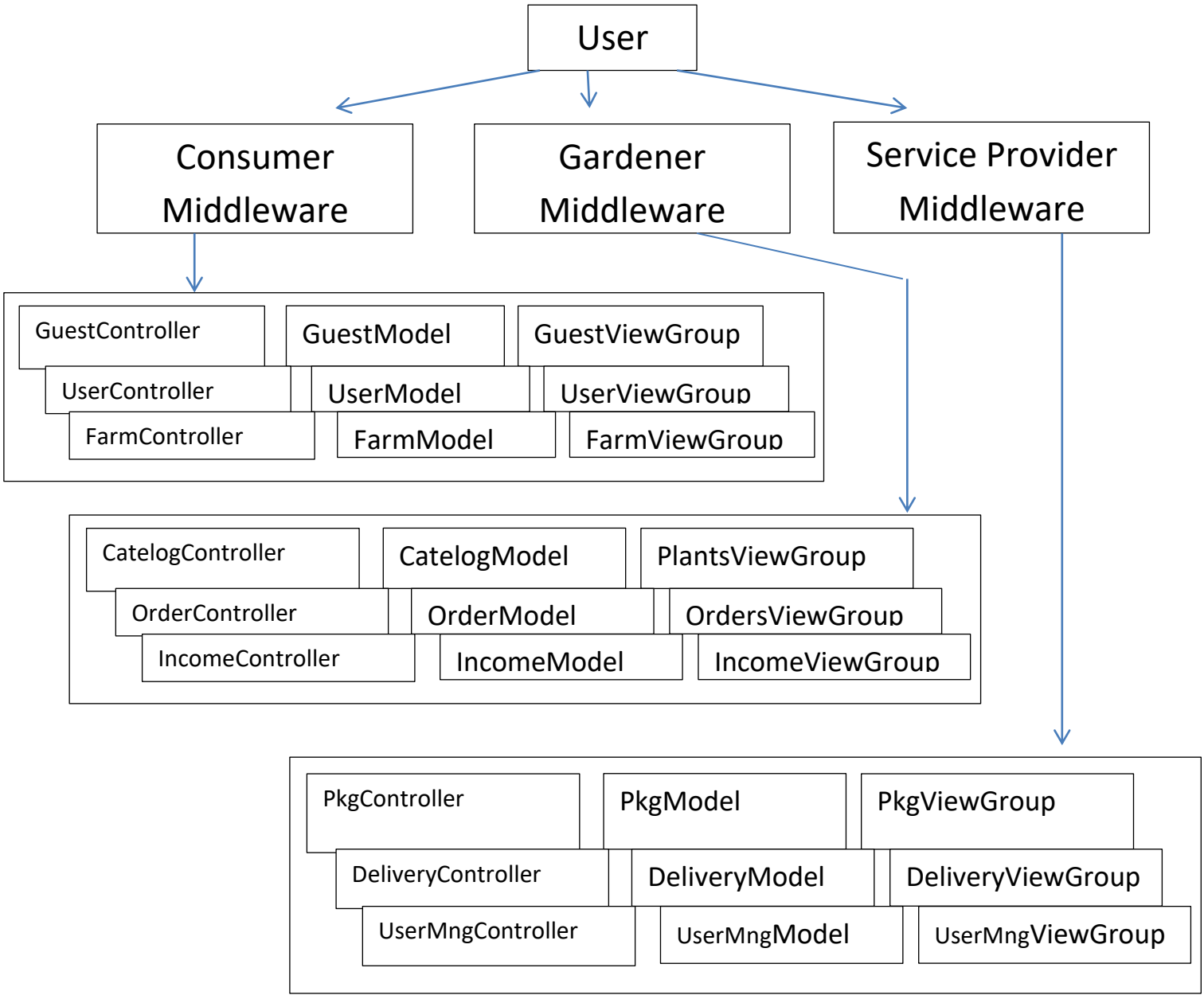
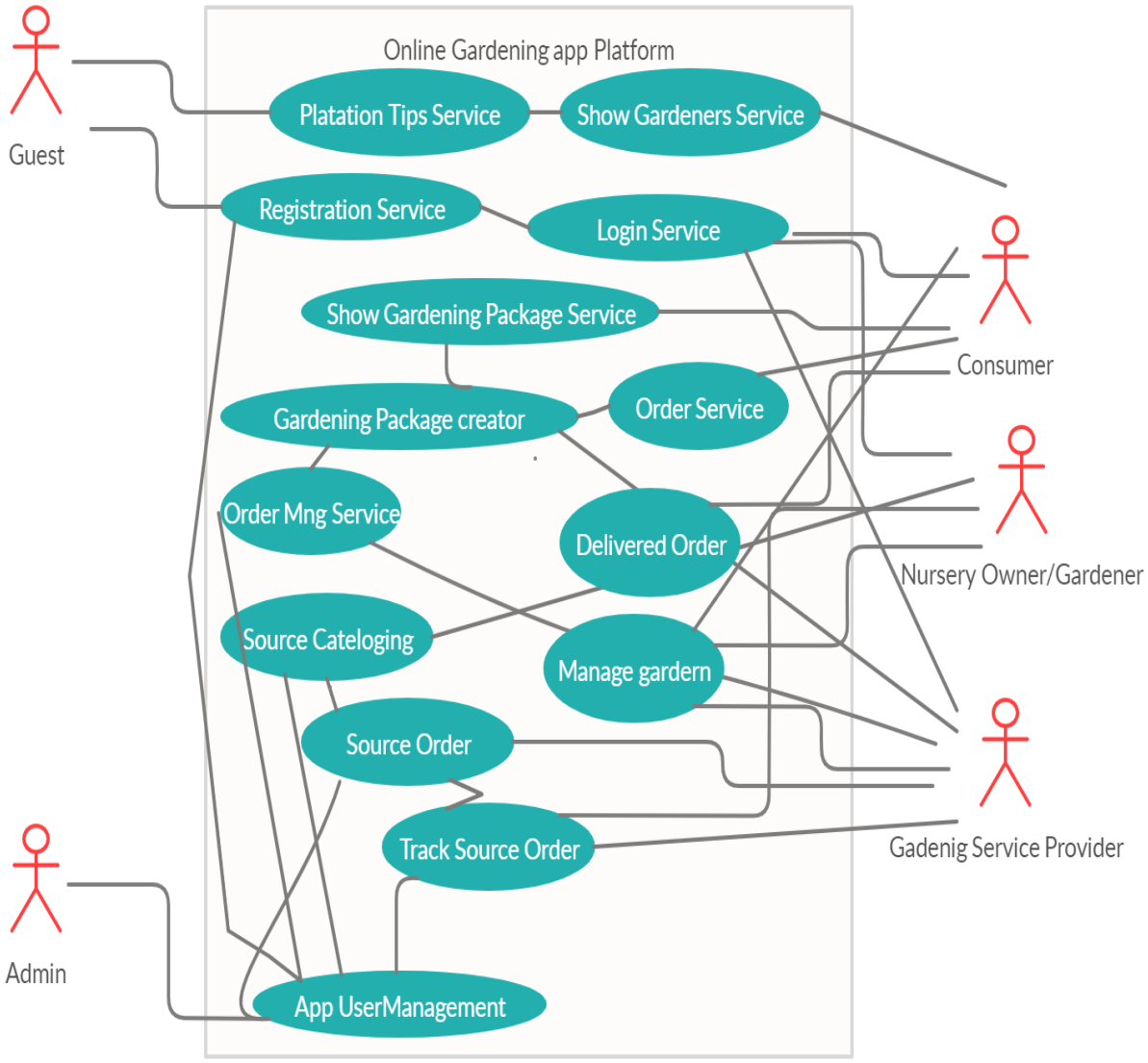
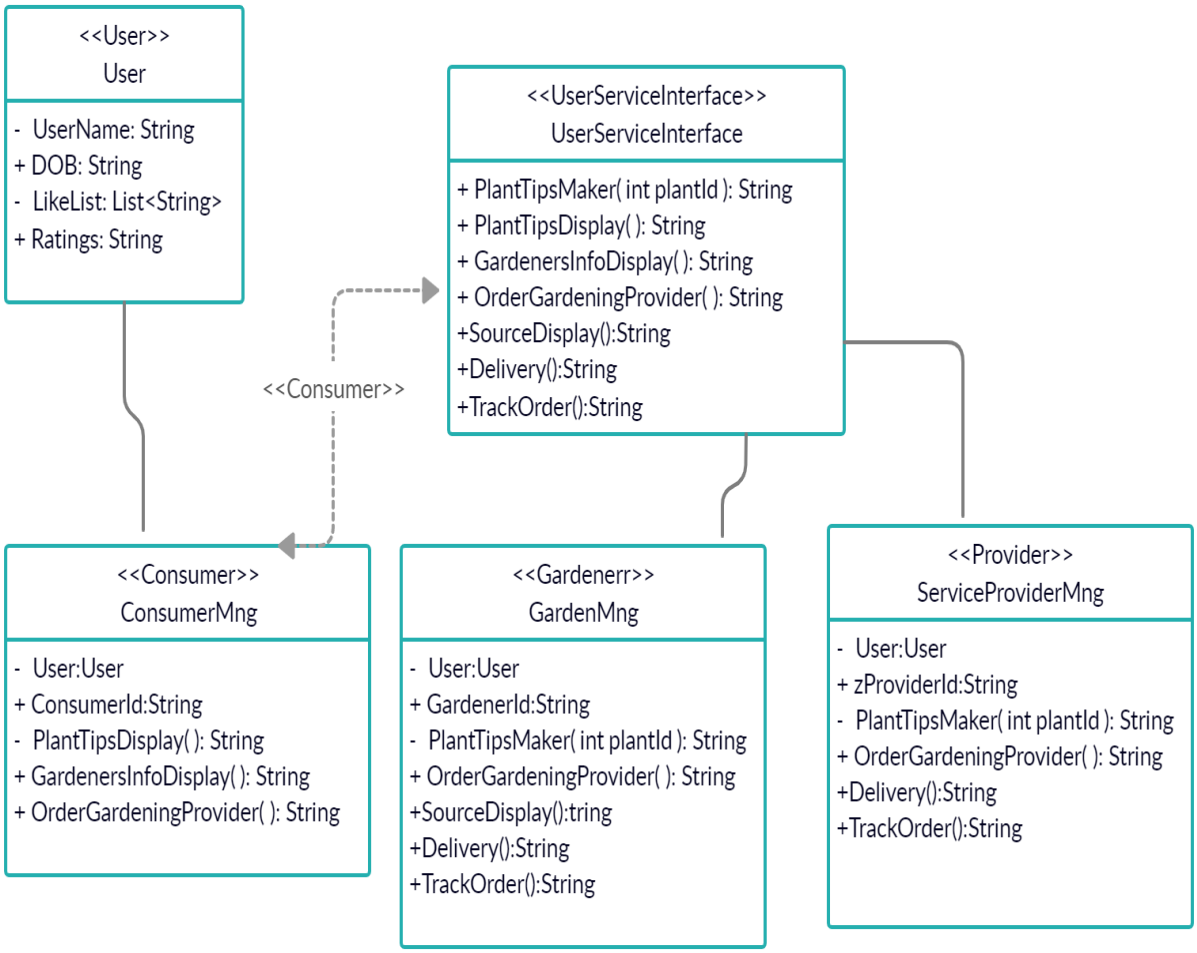


Figure: User Module of the web Application

Use Case Diagram of the proposed solution



UML Class Diagram of the User Module of the Web Application