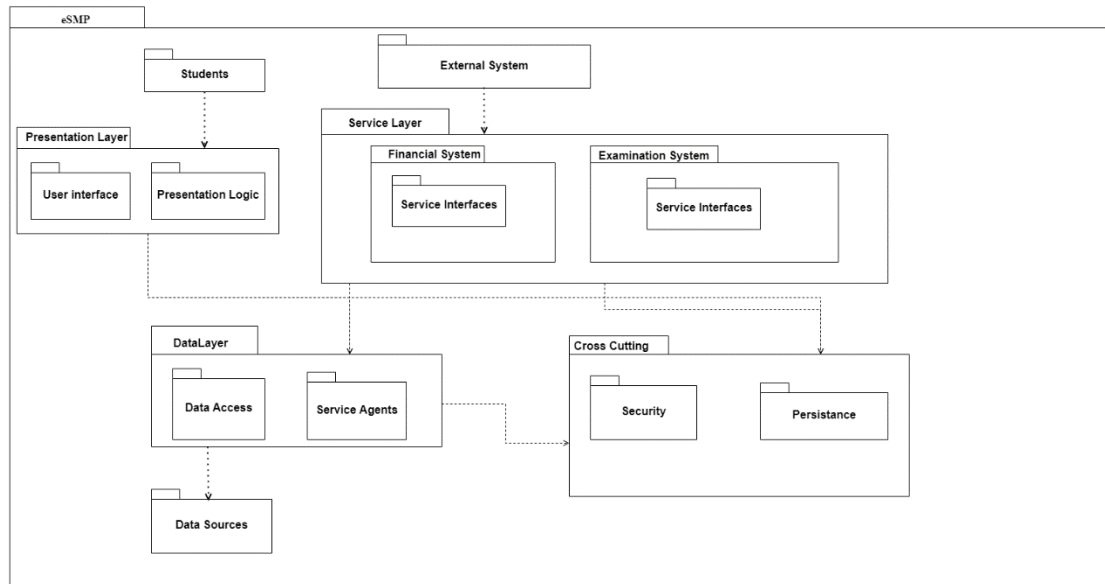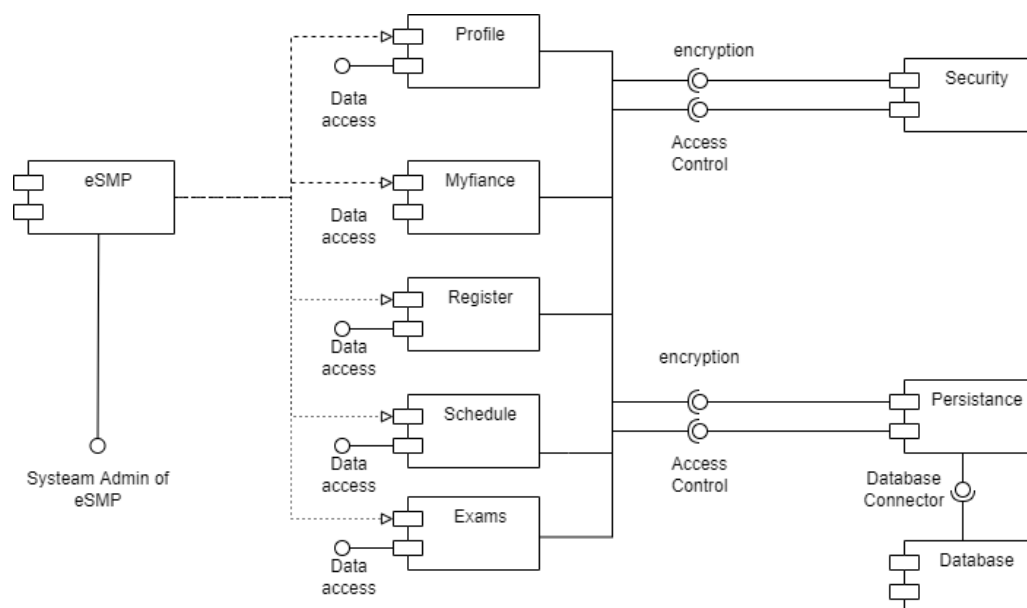Name: Wang Yida
Matric: 201406

Package Diagram

I am drawing the software architecture of the student information system based on eSMP. I divided it into Presentation Layer, Service Layer, DataLayer, and Cross Cutting. Presentation Layer has the user interface and representation logic, which is the most intuitive layer to present to students(user). The Service Layer contains the Financial System and the Examination System, which provide separate service interfaces, and the DataLayer, which stores data. The DataLayer stores data, including Service Agents and Data Access, which is derived from Data Sources. All of the above layers are required to ensure Persistance and Security.

Component Diagram

eSMP is a student information system.

eSMP component diagram composition：

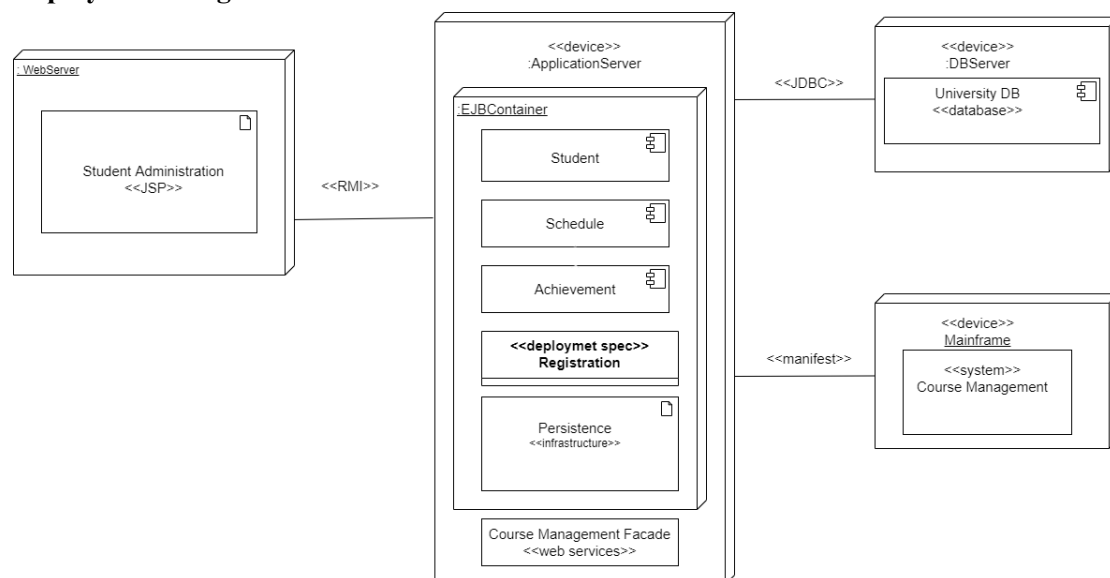Profile component
Register component
Myfiance component
Schedule component
Exams component
The information of these components must secured and stored in the database. Each component has a data access interface. Because to add delete and rewrite the data in it.

Deployment Diagram

      eSMP is a web application, so there is no client in the deployment diagram, the physical device should be a computer. All data is stored in the database, which is linked to the application server via JDBC. In the EJBContainer of the applicationServer, there are students, times and grades. Registration is the object for the student to register for the course. The course management manifest is on the application server. Administrators interact with applicationServer in a distributed network via RMI.