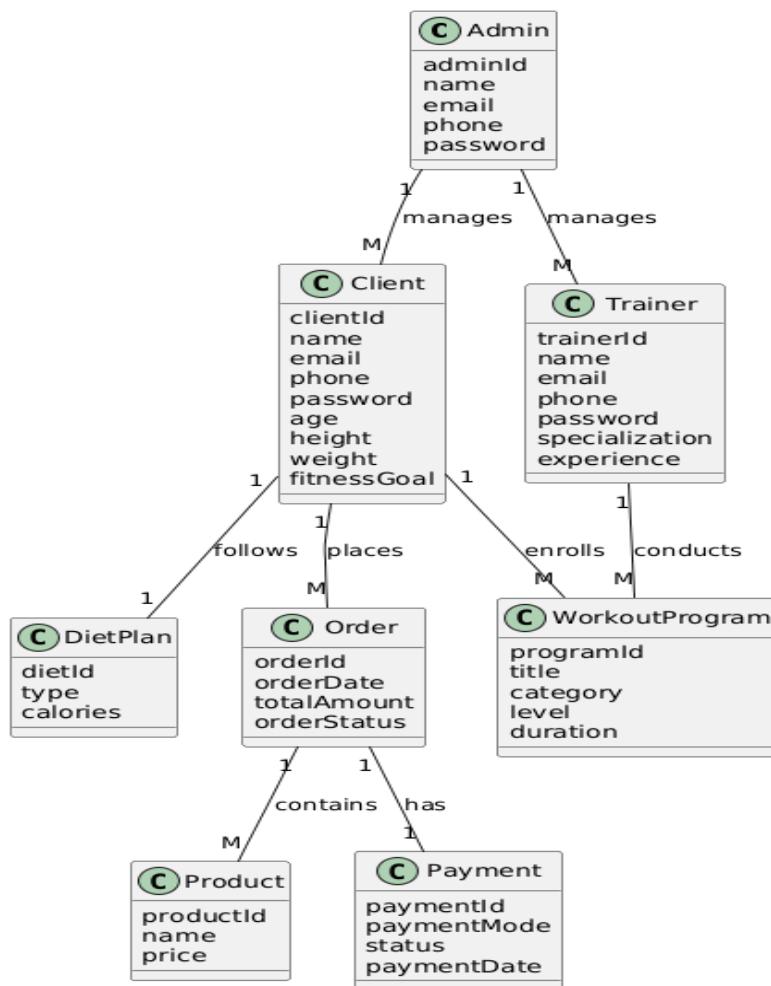


UML DIAGRAM

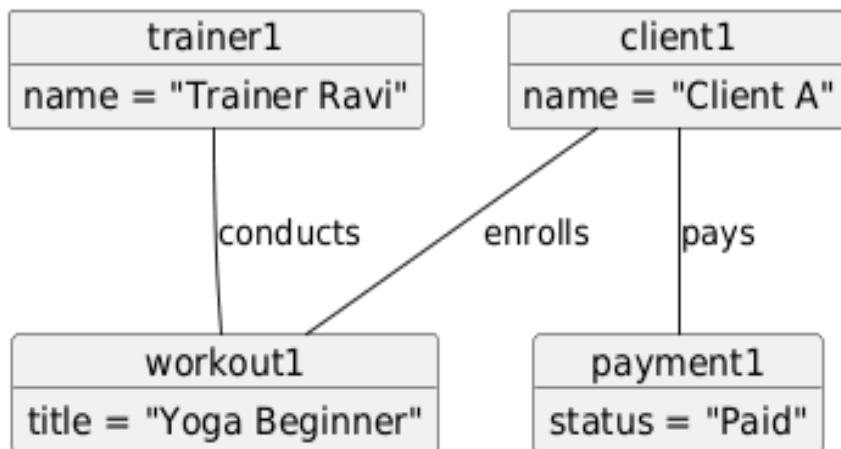
CLASS DIAGRAM

The class diagram **shows the main classes** of the FitNova system such as User, Trainer, Admin, Workout Program, Product, Order, and Payment, along with their relationships like one-to-many and one-to-one.



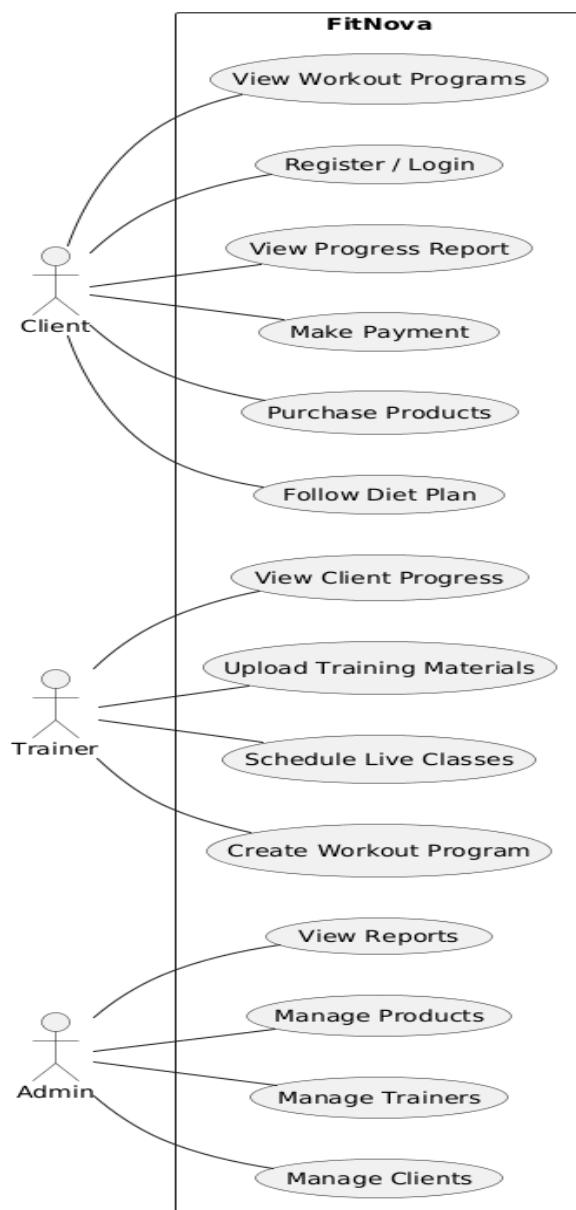
OBJECT DIAGRAM

The object diagram **represents real-time instances of classes** in FitNova, showing how specific users, trainers, workouts, and payments exist at a particular moment.



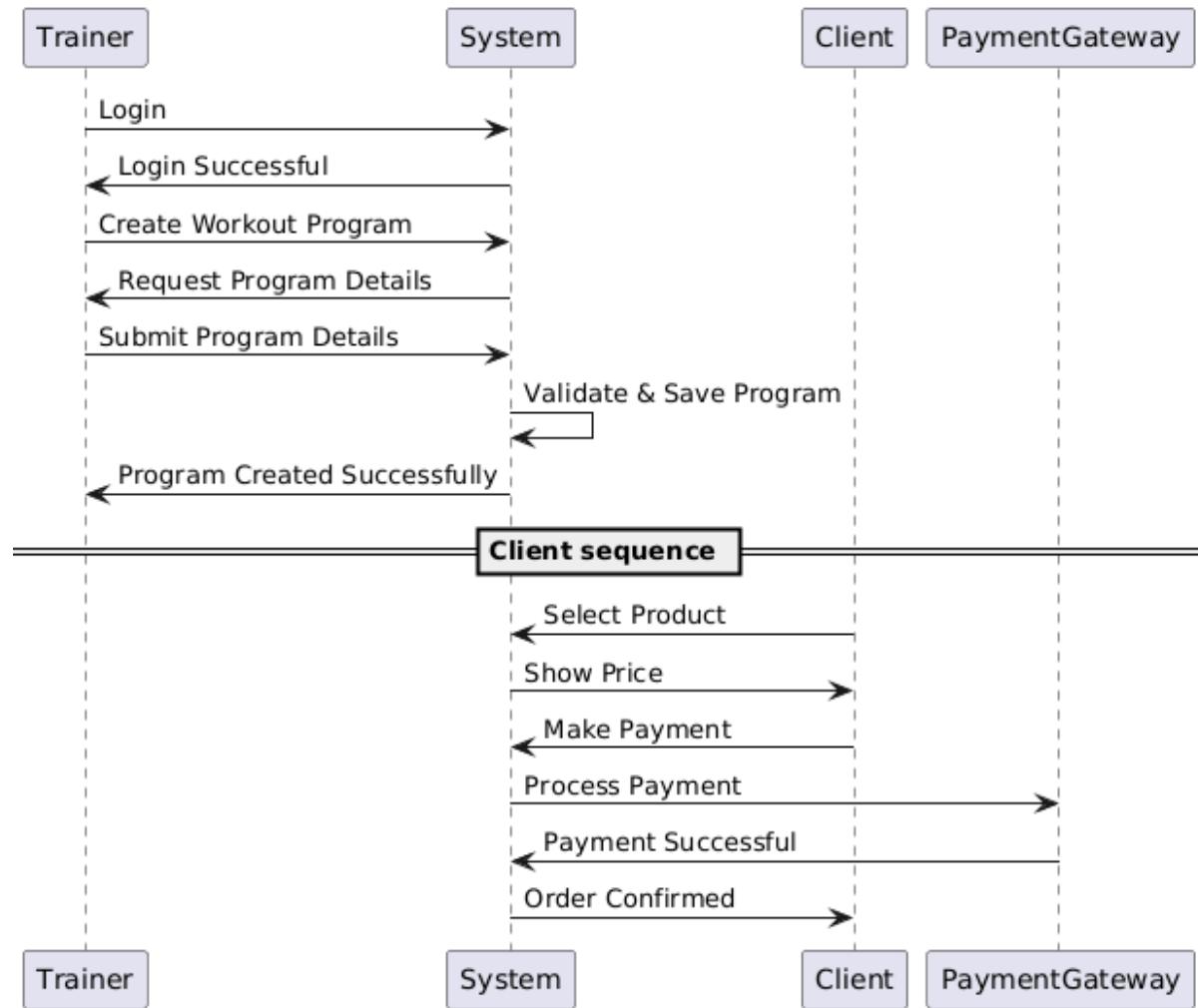
USE CASE DIAGRAM

The use case diagram illustrates the interactions between actors (User, Trainer, Admin) and the FitNova system, highlighting the functionalities each actor can perform.



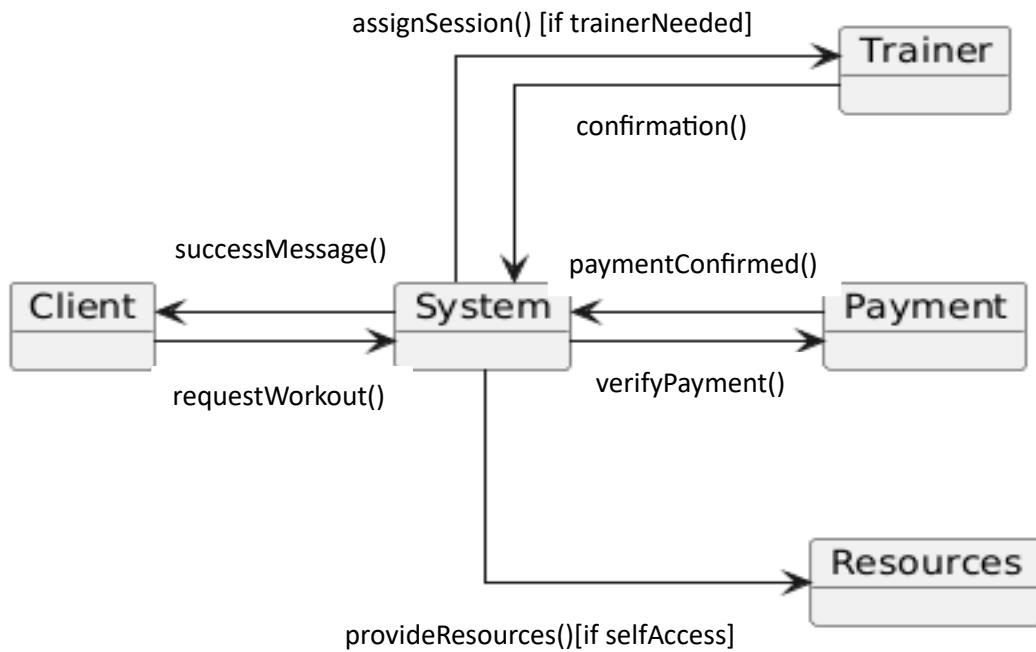
SEQUENCE DIAGRAM

The sequence diagram shows the step-by-step flow of messages between user, system, and payment service during activities such as booking a workout or purchasing a product.



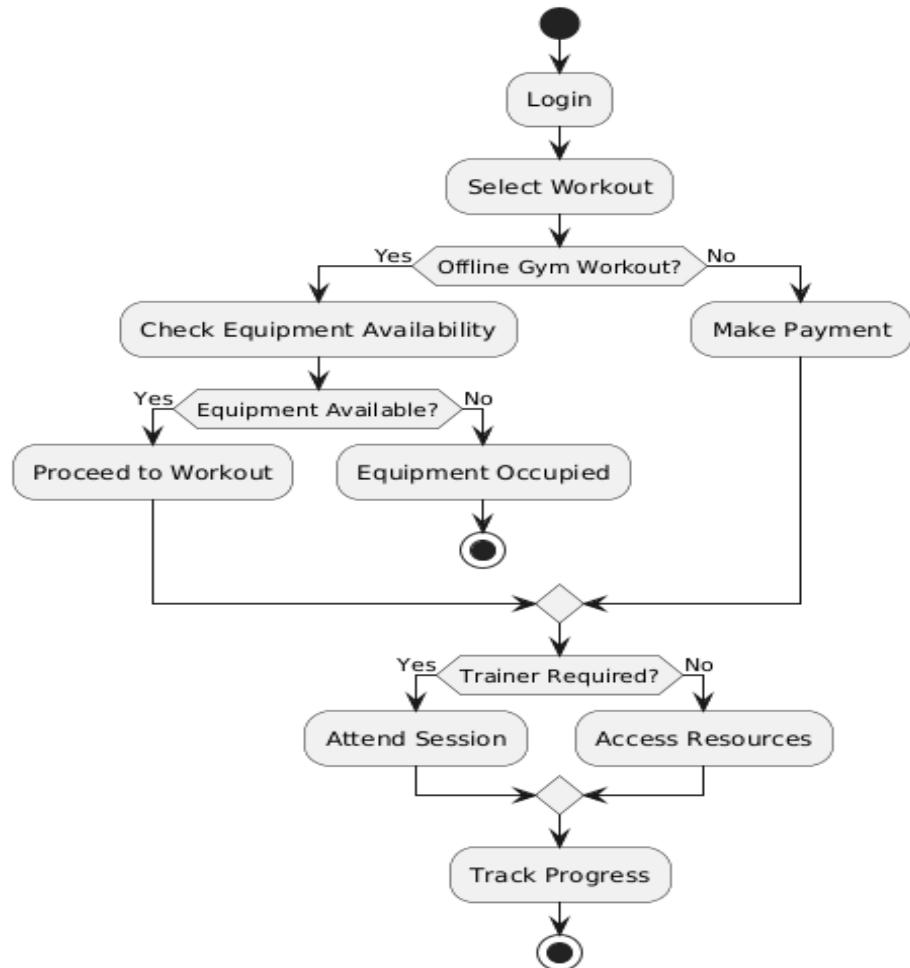
COLLABORATION DIAGRAM

The collaboration diagram depicts how objects in FitNova **interact with each other by exchanging messages to complete a task**, focusing on object relationships.



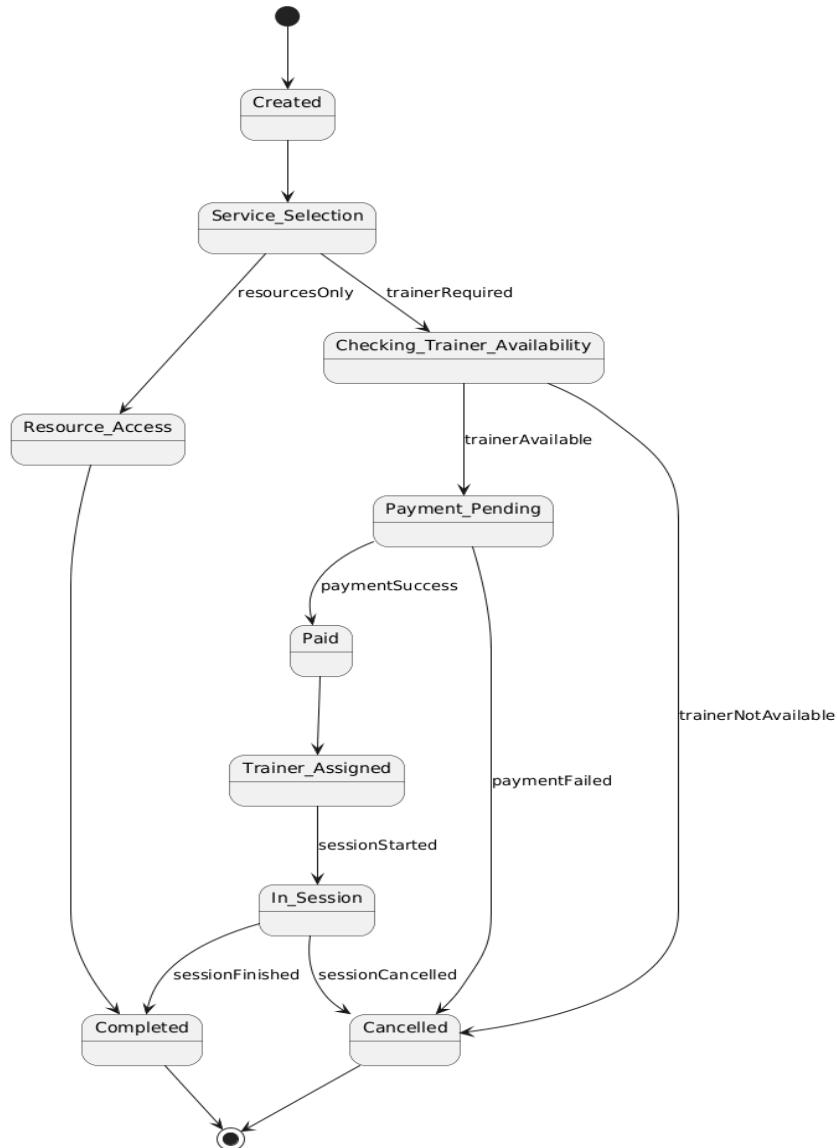
ACTIVITY DIAGRAM

The activity diagram represents the workflow of user activities in FitNova, from login and workout selection to payment and progress tracking.



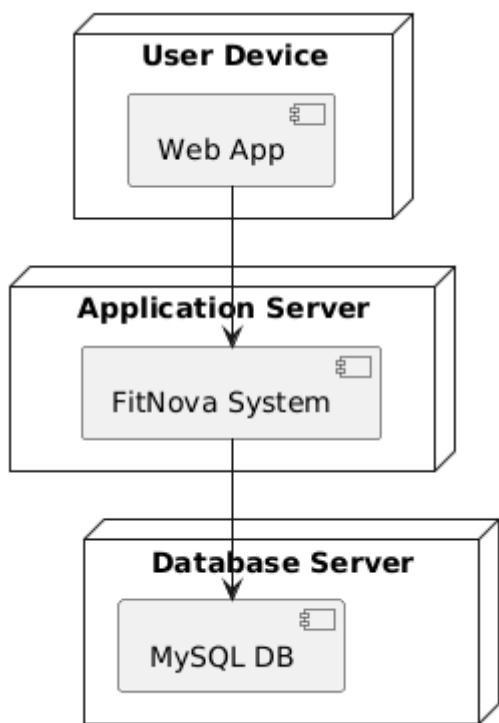
STATE CHART DIAGRAM

The state chart diagram shows the different states of an order service in FitNova, such as created, payment pending, paid, and completed.



DEPLOYMENT DIAGRAM

The deployment diagram **shows the physical deployment** of the FitNova system, including the user device, application server, and database server.



COMPONENT DIAGRAM

The component diagram displays the major modules of FitNova such as user management, trainer management, product store, payment module, and database.

