ID2207 -Modern Methods in Software Engineering

Homework 3

Group 8

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Question:

Produce a full requirements analysis document for the system explained in the business description document you have in Canvas. The requirements analysis document should comprise of:

1. Identified entity objects (with brief description).
2. Identified boundary objects (with brief description).
3. Identified control objects (with brief description).
4. Extract Sequence diagrams - Map the major use cases developed in homework 2 to the identified objects with sequence diagrams.
5. Extract UML class diagrams with the needed relationships.
6. State chart diagrams for objects identified

Entity Object

Department	Including administration, production, service, financial, HR and Marketing department
Manager	Every department has at least one manager
Employee	People working for SEP
Client	Customer who needs the event-planning service
Sub-team	Sub-team consists of employee with the same job title
Phone Call	The client calls the customer service in order to make an event request
Data from client	The intial data that is provided from the client regarding the requested event.
Proposed budget	The proposed budget from the client. This budget can be negotiated during the business meeting.

Boundary Object

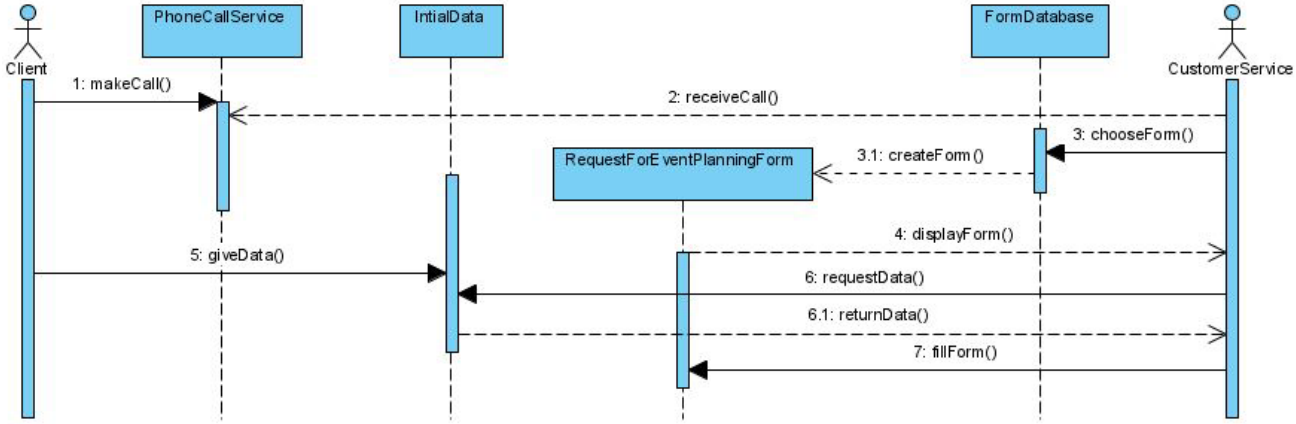
Financial request form	A form that is filled when a financial request is made, which details who is sending the request how much money is requested.
Request for event planning form	During the business meeting, this form is filled out with all of the information about the event that is discussed during the meeting
Recruitment request form	A form that is filled when a financial request is made, which details who is sending the request how much money is requested.
Client request details form	During the business meeting, this form is filled out with all of the information about the event that is discussed during the meeting
Computer notification	Whenever someone receives a form they get a notification on their computer

Control Object

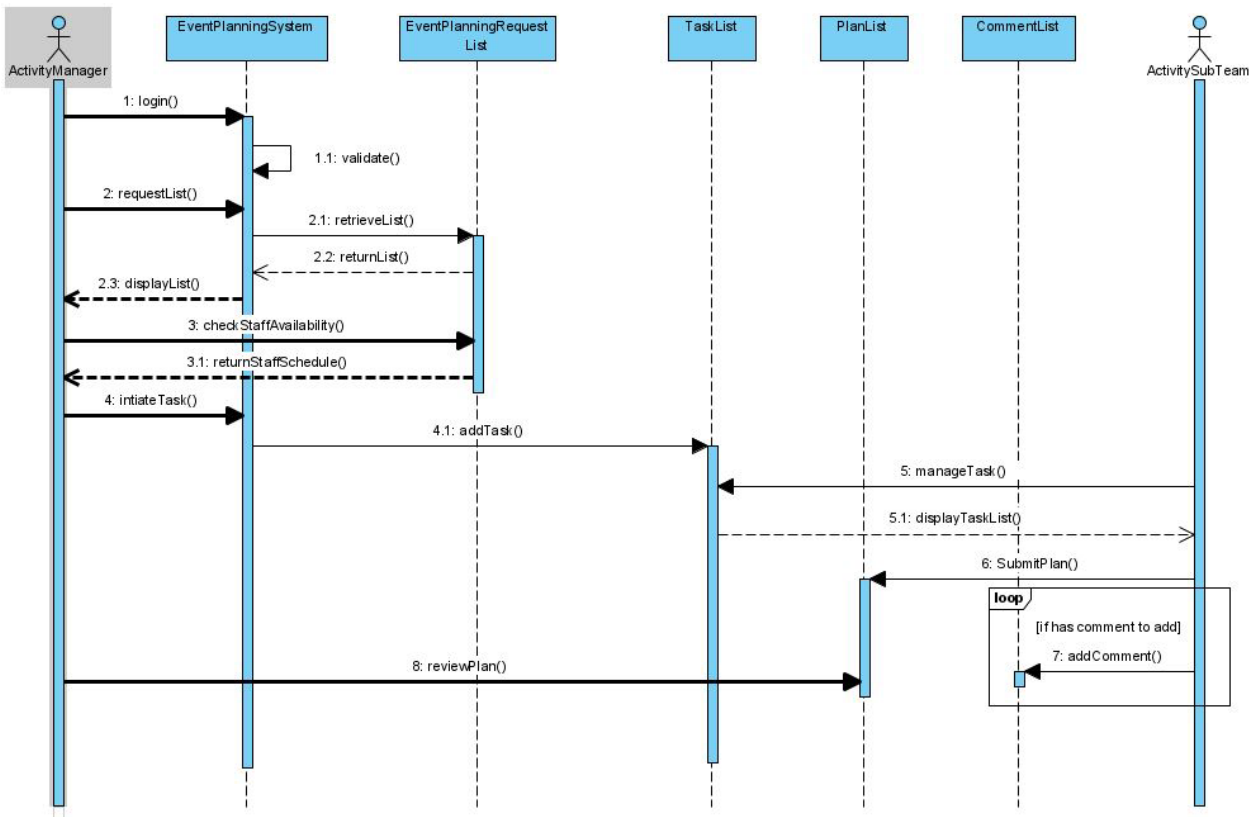
Record Control	Search/view/add/delete/update employee/client/event records
Schedule Control	Search/view/add/delete/update sub-teams' schedule and generate schedule report
Request Control	Search/view/create/delete/update/receive/redirect the event-planning request
Advertisement Control	Create/publish advertisement and view the records of published advertisements.

Sequence Diagram

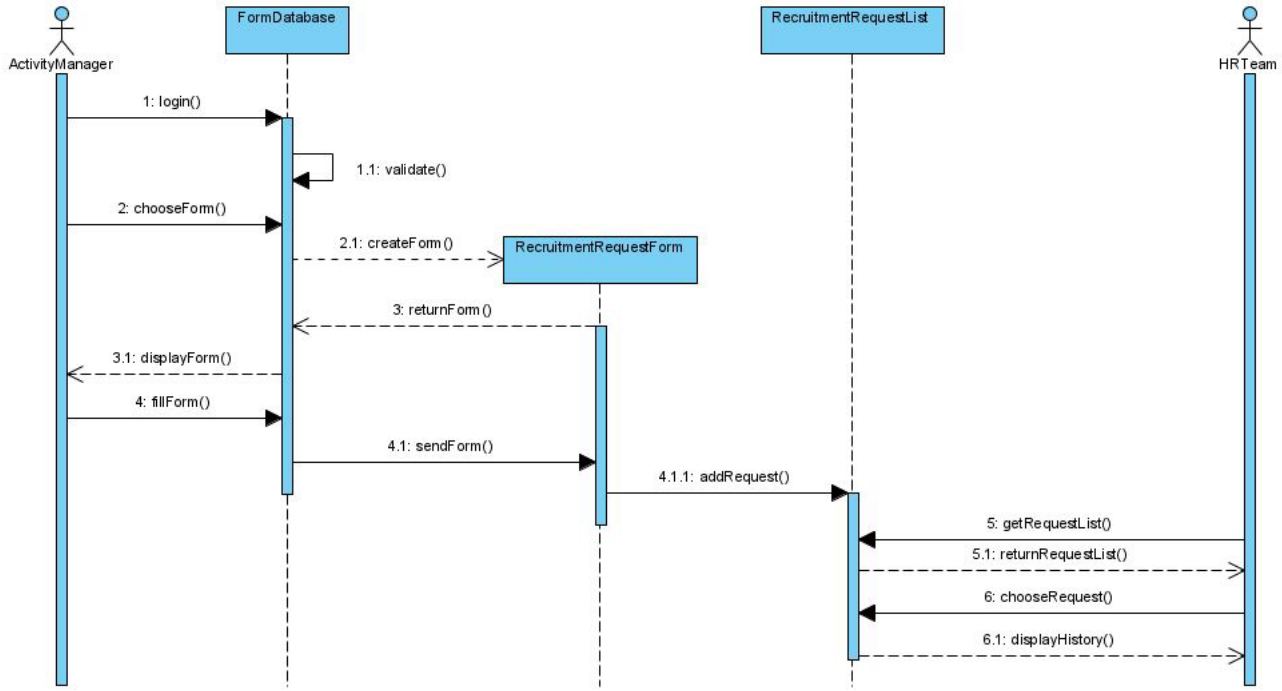
Hold Business Meeting



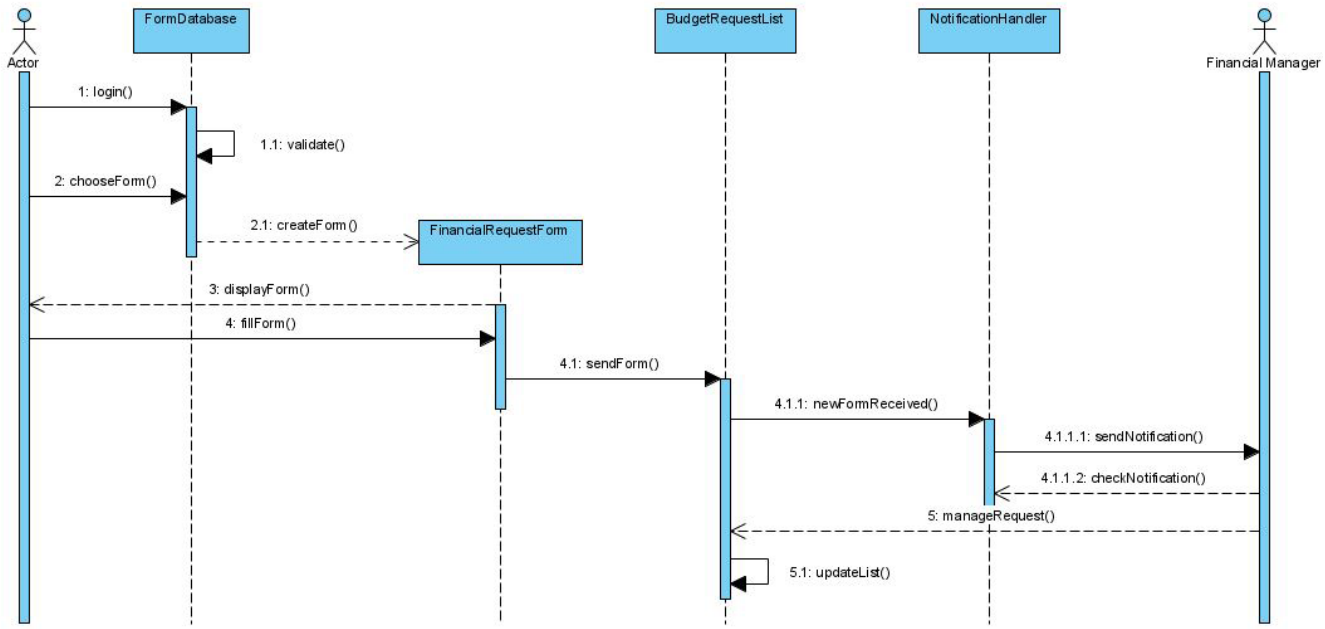
Planning Activity



Request Recuritment

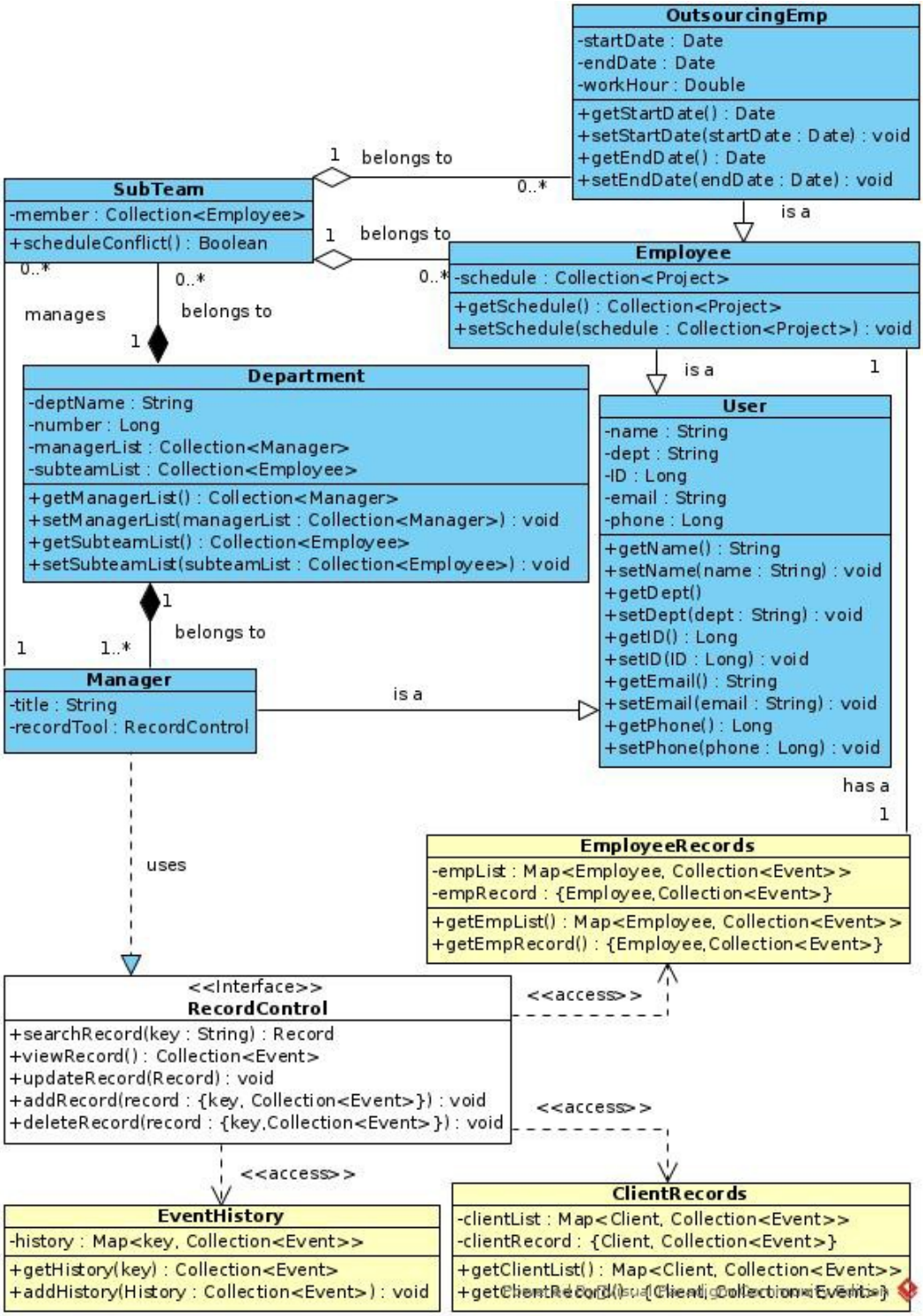


Request Budget Negotiation

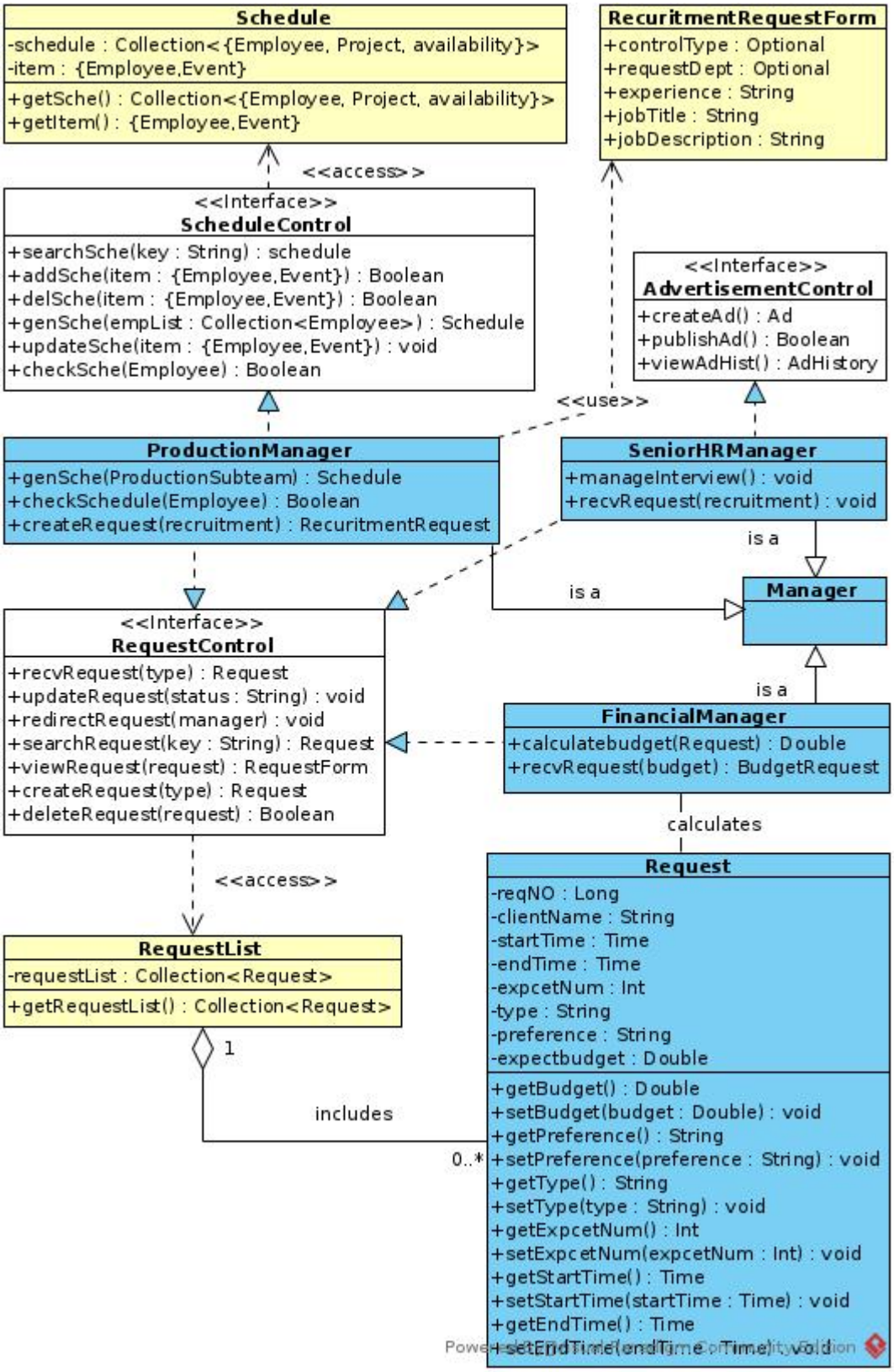


Class Diagram

Record Control Class

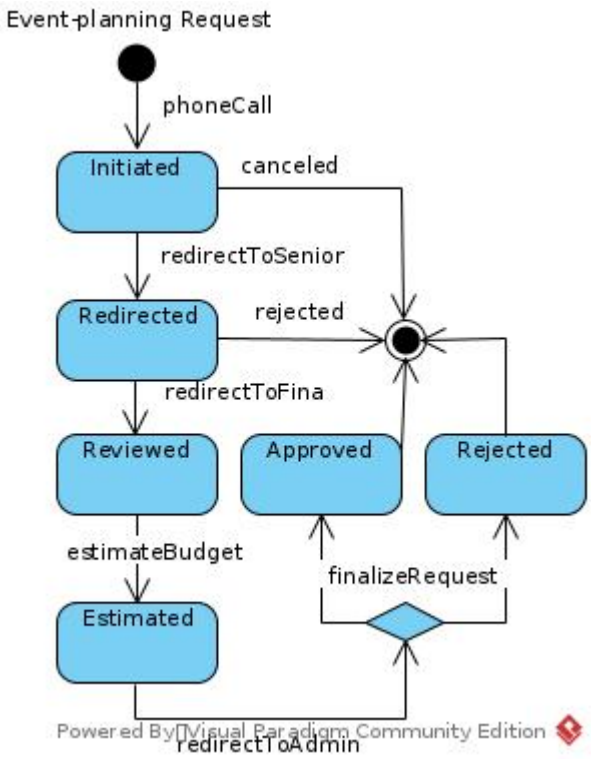


Recruitment Request Class

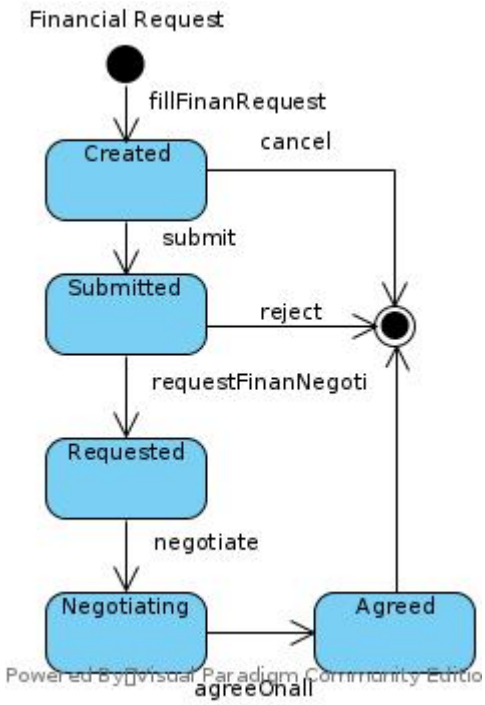


State Chart Diagram

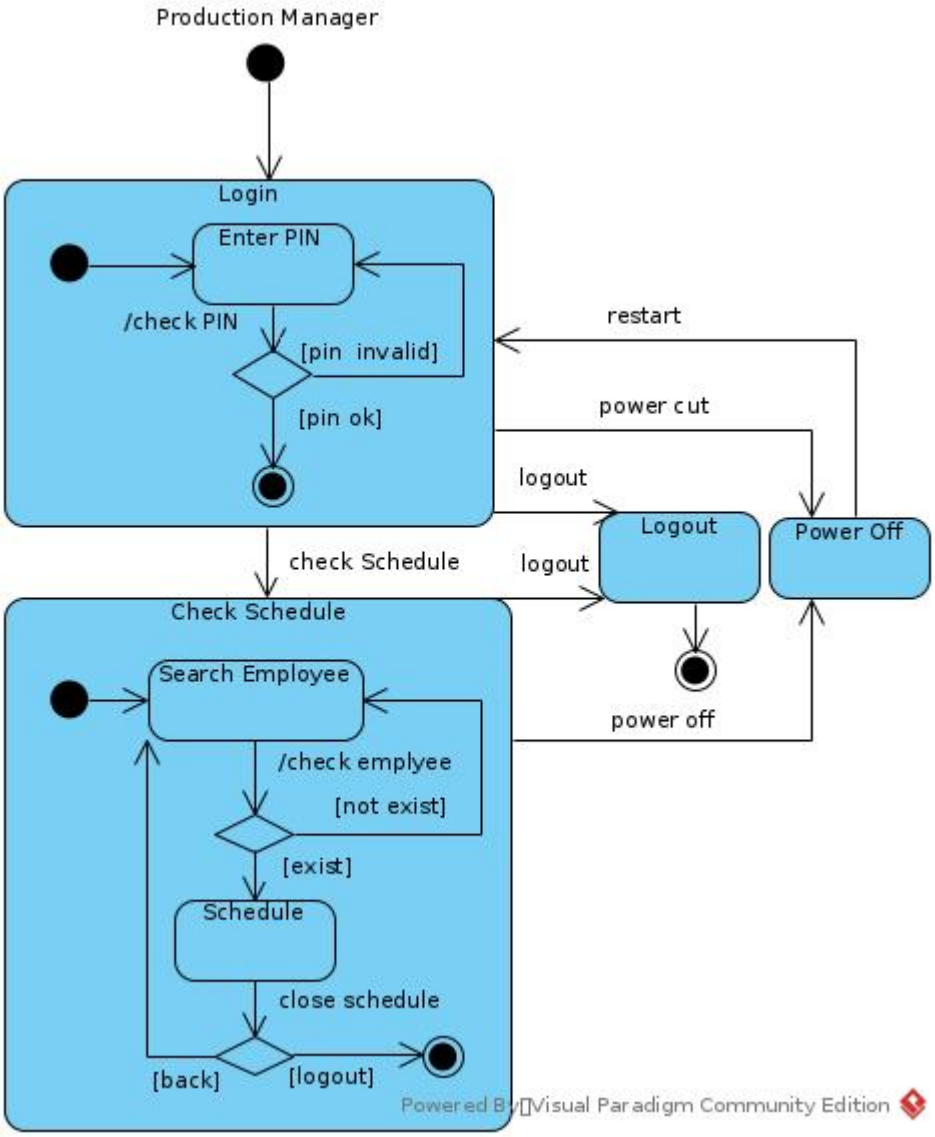
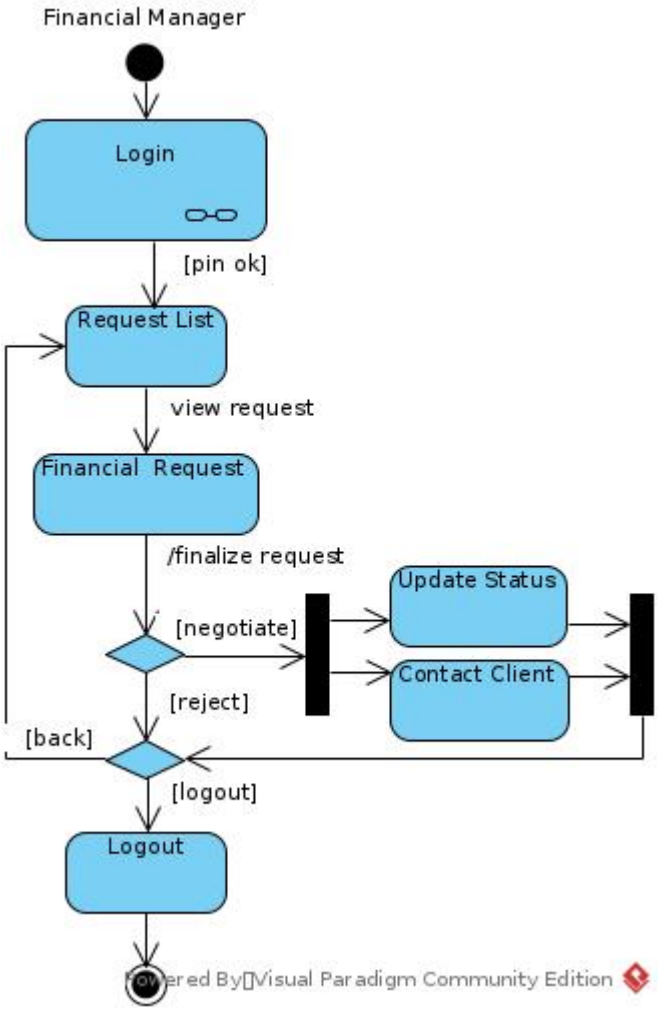
Event-planning Request



Financial Request



Production Manager



Financial Manager