

ID2207 - MODERN METHODS IN SOFTWARE ENGINEERING (HOMEWORK 3)

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Entity Object

Department

SEP is divided into several departments. Four basic departments are Financial, Administration, Production and Services. Under administration department, there are also HR and Marketing department. Customer service also acts as a department.

Sub-team

Employees of each department can be divided into several sub teams according to the nature of their work. All members of a sub team usually perform similar tasks.

Manager

Each department has a manager. These managers act as the head of the department.

Employee

SEP has two types of employees. One is the regular employee, another is outsourced employee.

Event Request

The client contact with the customer care of SEP to request for an event.

Initial Data

The customer service takes the initial data from client.

Estimated Budget

The client propose an estimated budget which can be negotiated during meeting.

Additional Resource

Extra manpower which is required for completing an event.

Boundary Object

Event planning request form

This form is used by the customer service when they fill the initial information about the client.

Detailed event planning form

This form is filled out during the business meeting, with detailed information about the event which is discussed during the meeting.

Recruitment request form

This form is filled when the service or production manager need additional resource and request the HR for recruiting or outsourcing resources.

Financial request form

This form is filled when there is a need for budget adjustment, with details who is sending the request how much money is requested.

Task distribution Form

This form is used by the service and production manager for distributing tasks to sub teams.

Notification

Whenever someone receives a form they get an email and a notification on their computer.

Control Object

Record Control

View/search/create/delete/update client records

View/search/create/delete/update event records

View/search/create/delete/update employee records

Schedule Control

View/search/create/delete/update sub-teams' schedule

Request Control

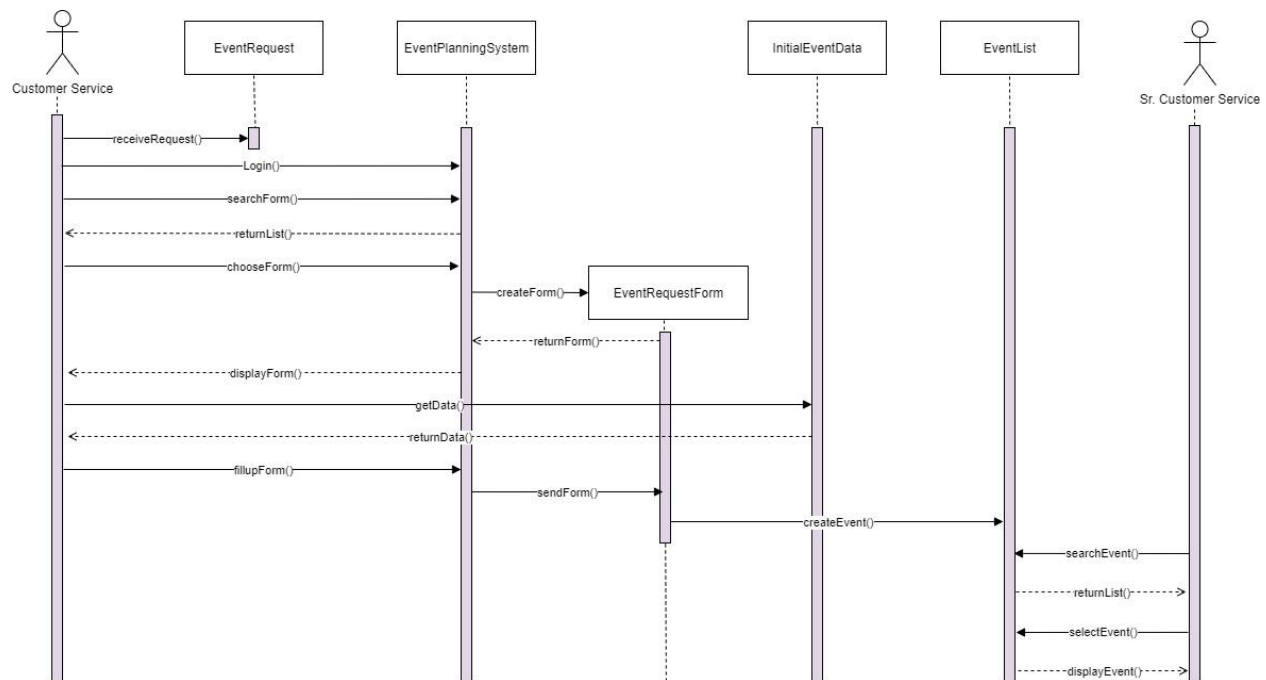
Receive/view/search/create/delete/update /forward the event-planning request

Advertisement Control

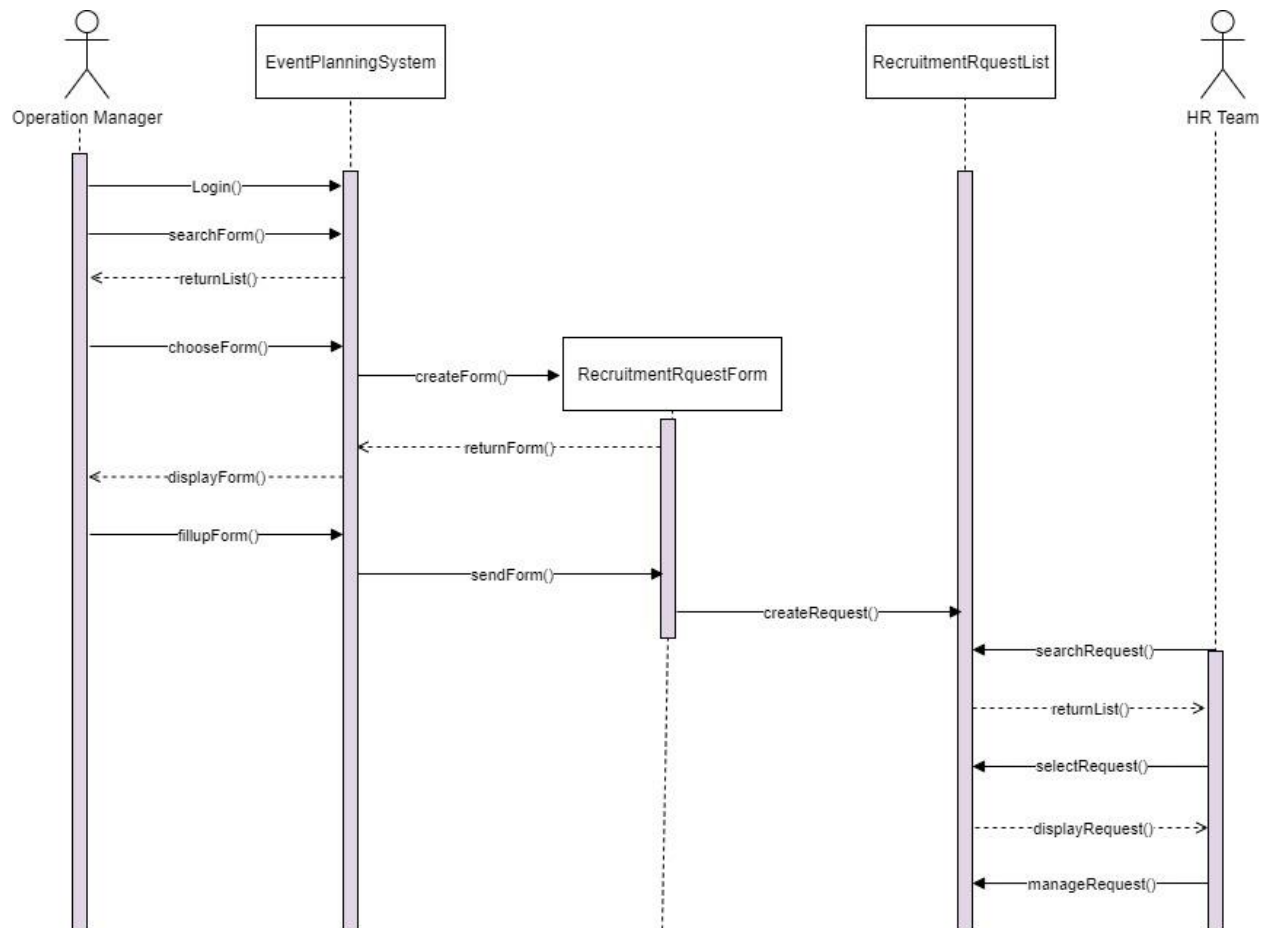
Create/publish advertisement and search/view the records of published advertisements.

Sequence Diagram

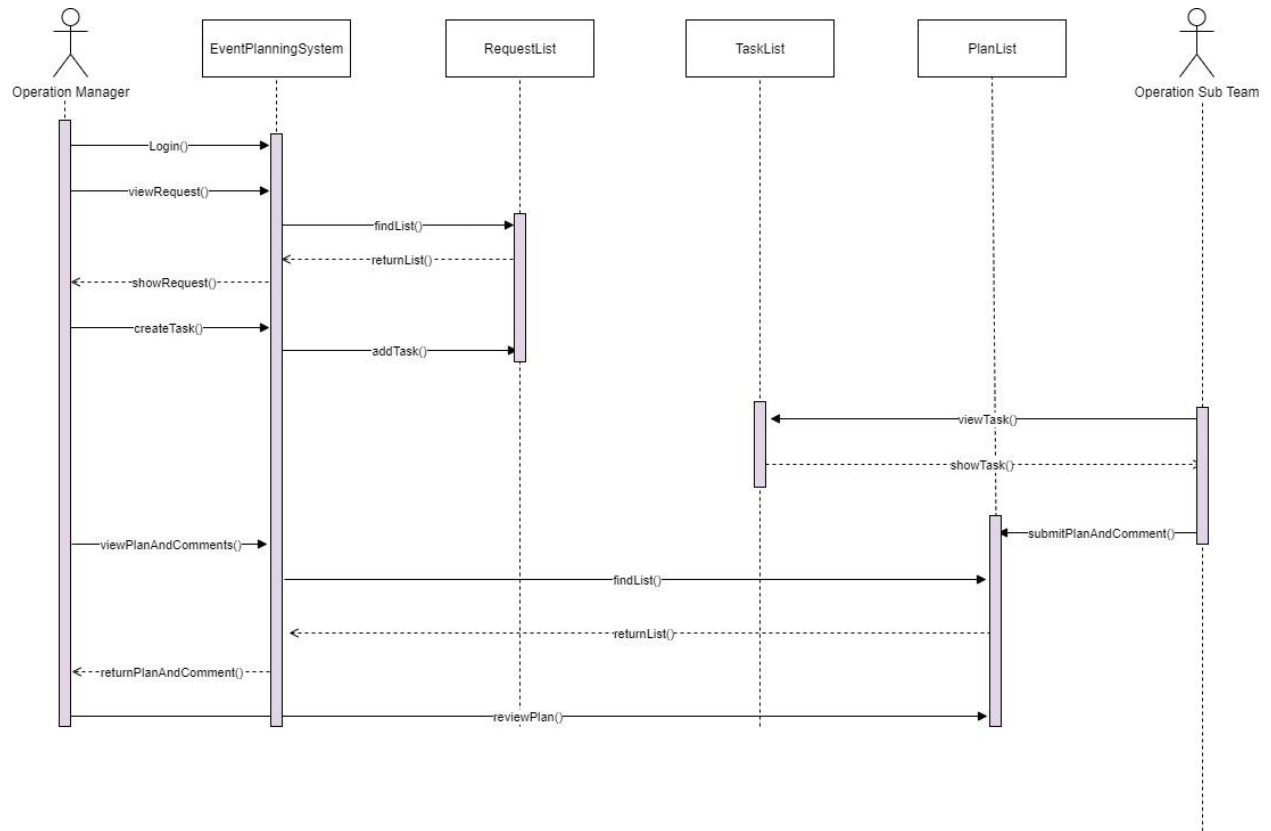
Event Registration



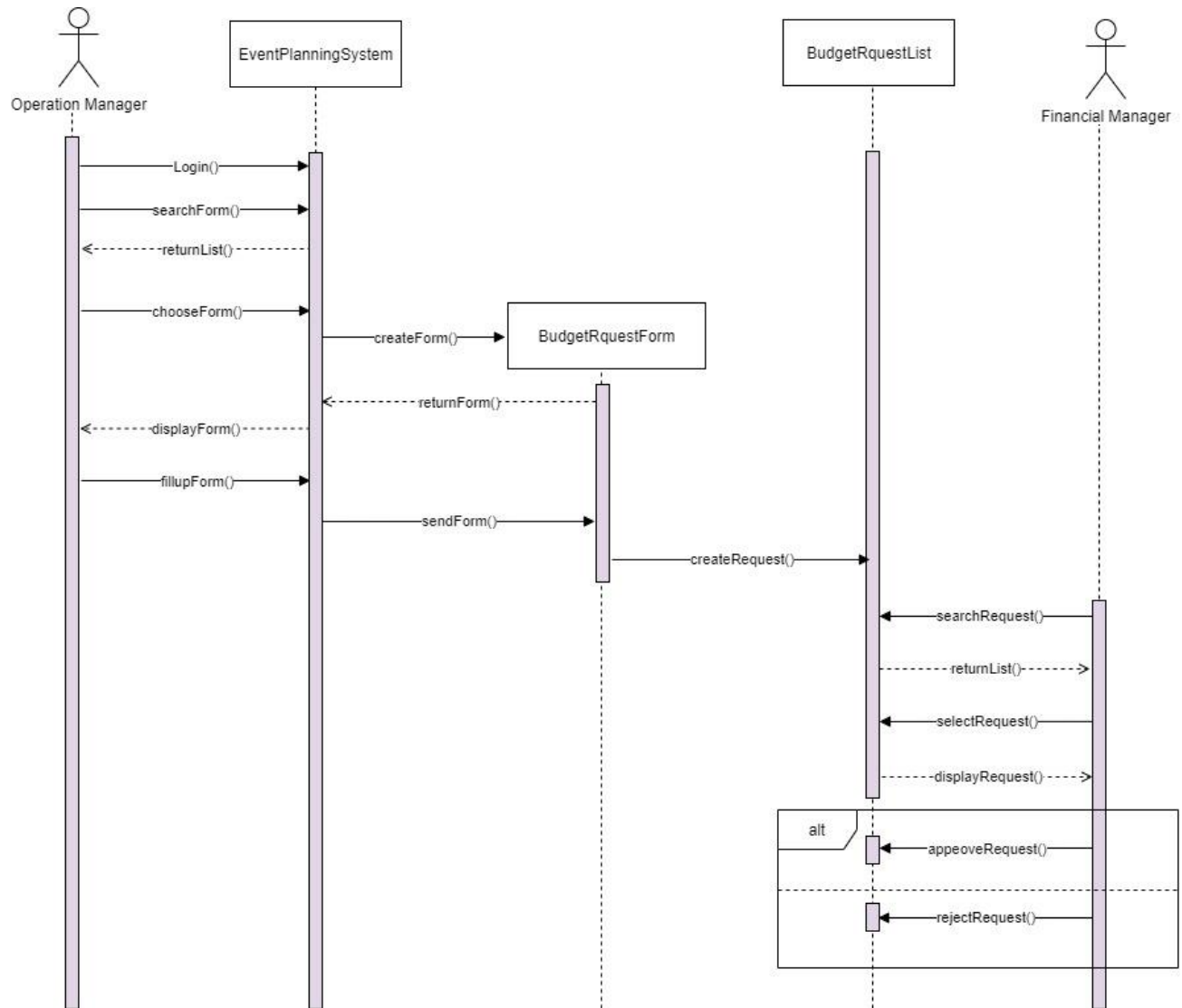
Resource Recruitment Request



Task Distribution

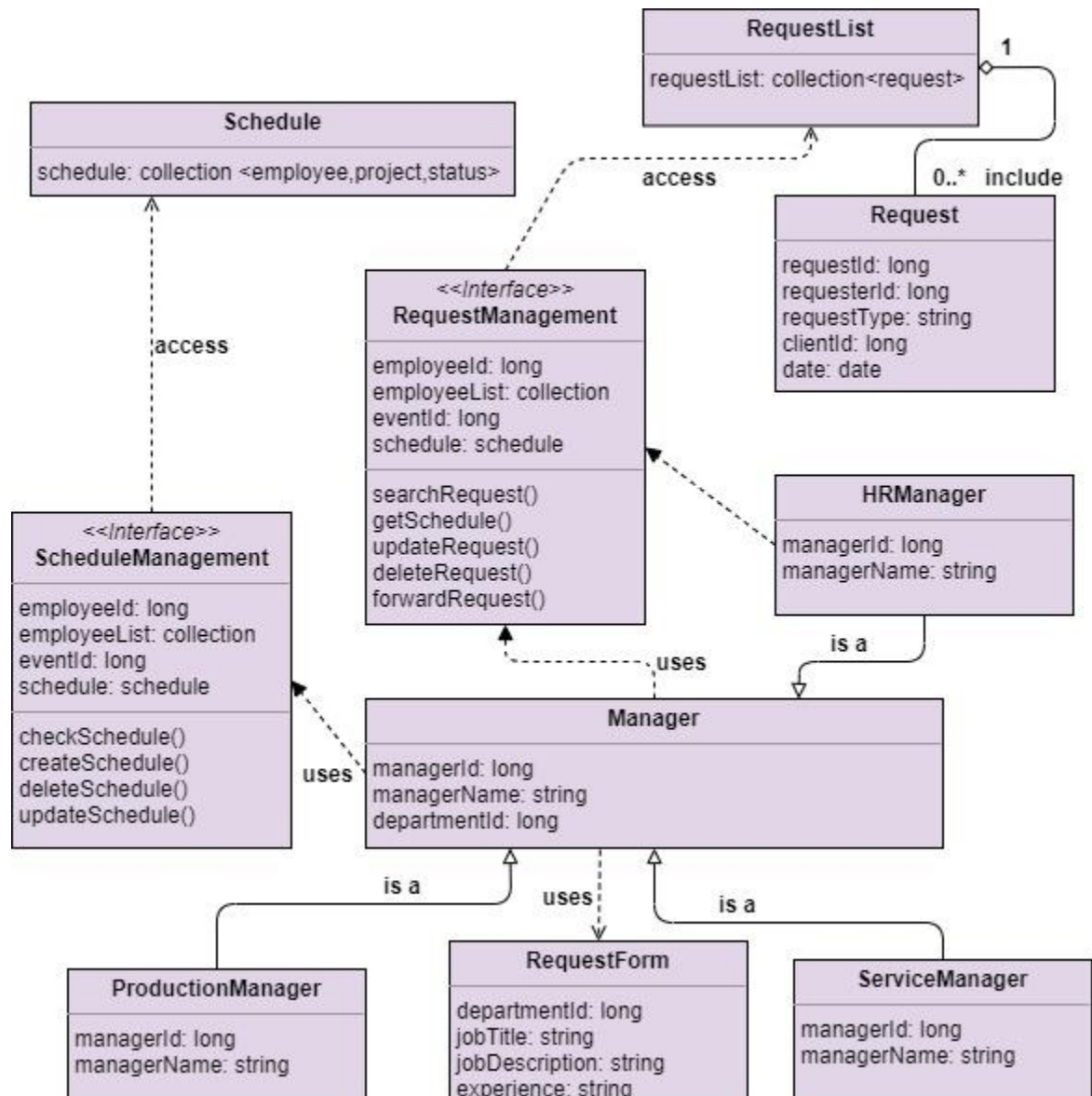


Request for Additional Budget

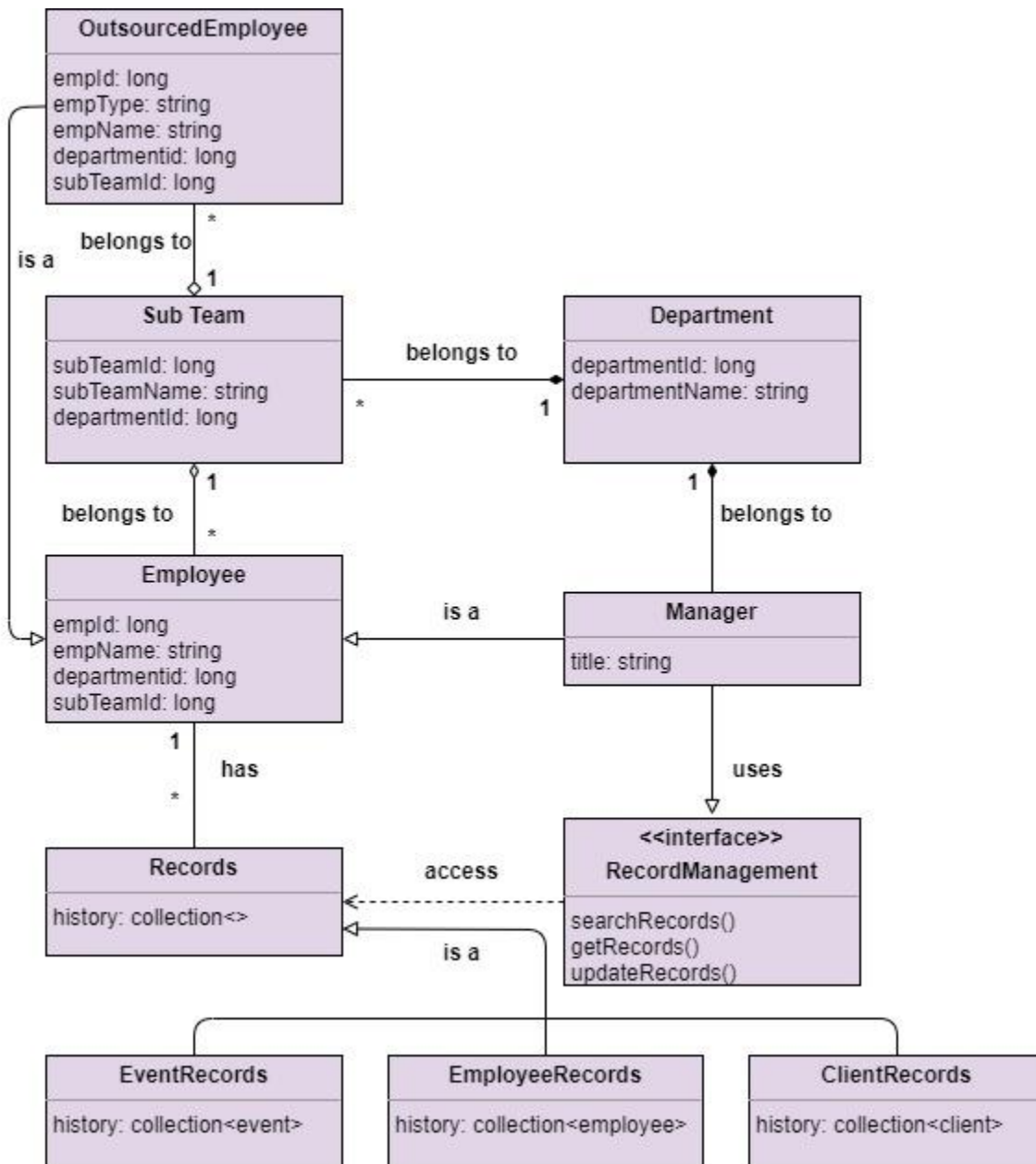


Class Diagram

Resource Recruitment Class

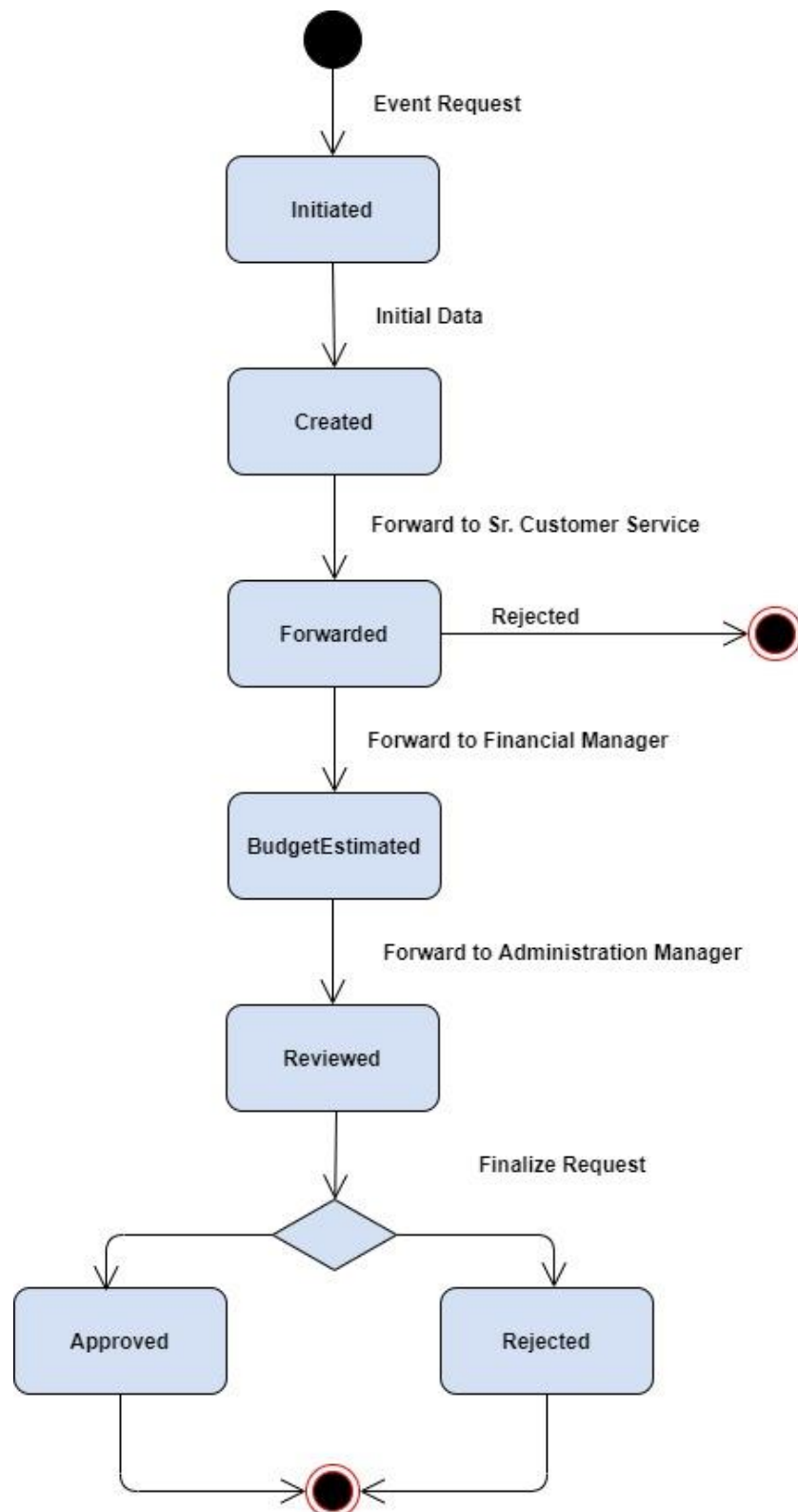


Record Management

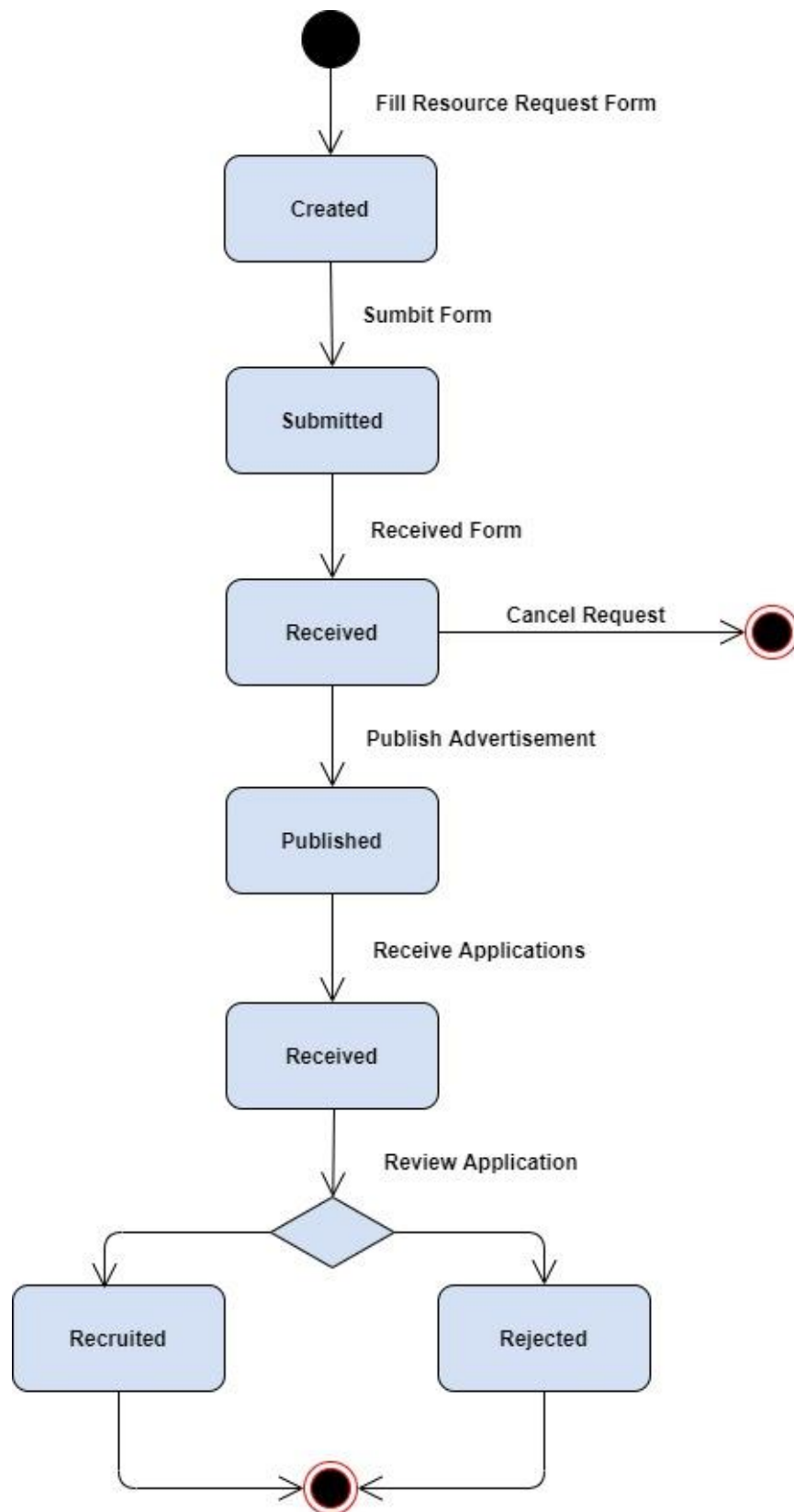


State Chart Diagram

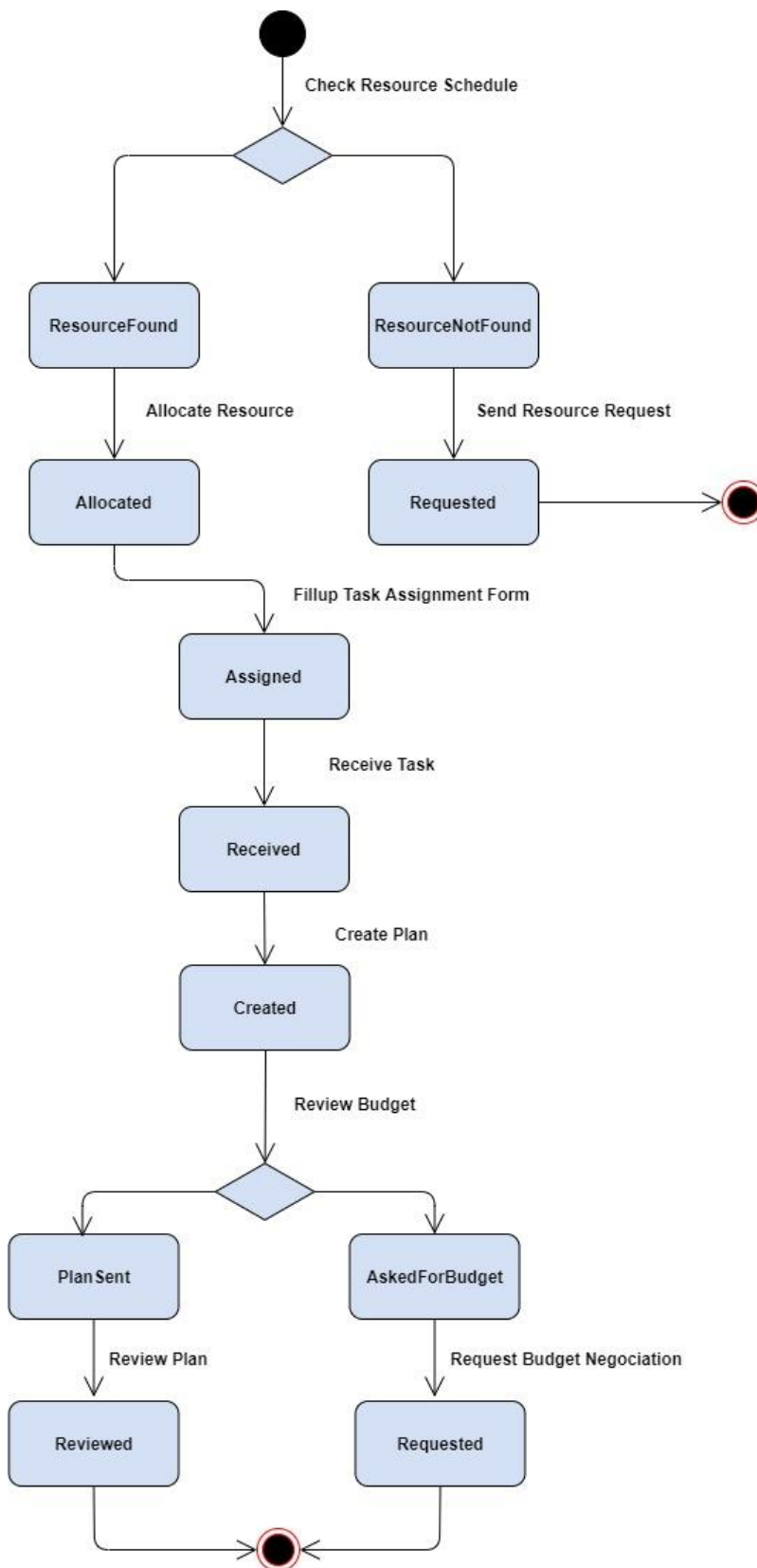
Event Registration



Resource Recruitment Request



Task Distribution



Request for Additional Budget

