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**KTH**  
**MODERN METHODS IN SOFTWARE ENGINEERING**  
**(ID2207)**

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**HOMEWORK 2**  
**GROUP 6**

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## Entity Objects

Request Database	The database for SEP members to retrieve request information.
Human Resource Database	The database for specific users to check human resource status and make changes.
Budget Request Database	The entry for specific users to request more budget from the financial department.
Database	The general database that stores the specific information of the activity, it opens to most of the users so that the upper class is able to check the stage of planning.
Schedule Database	The entity that stores the schedule of individuals.
System Status	The entity that shows the status of the whole activity.

## Boundary Objects

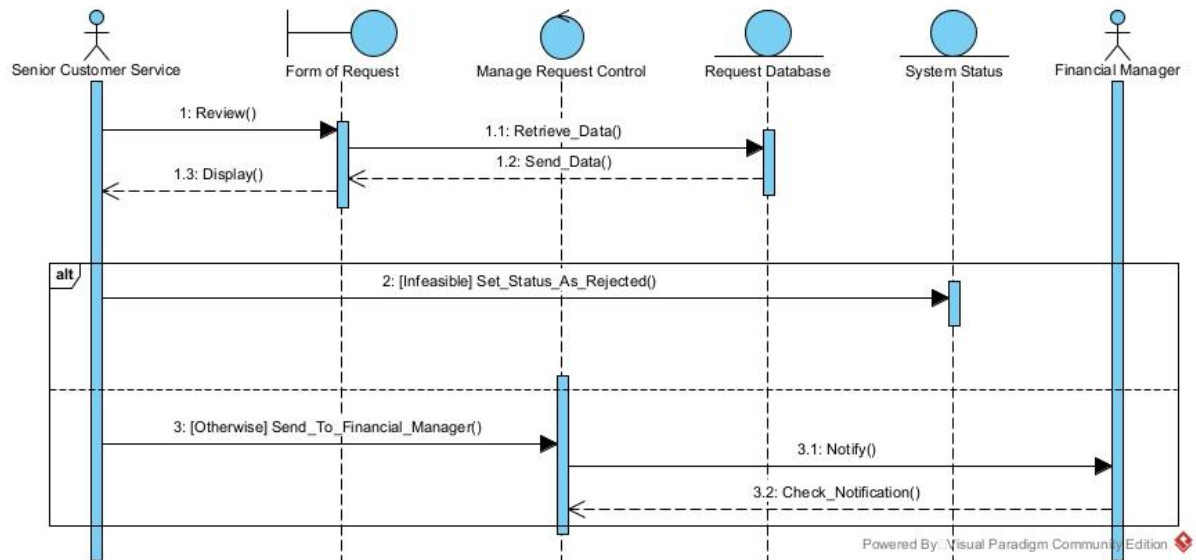
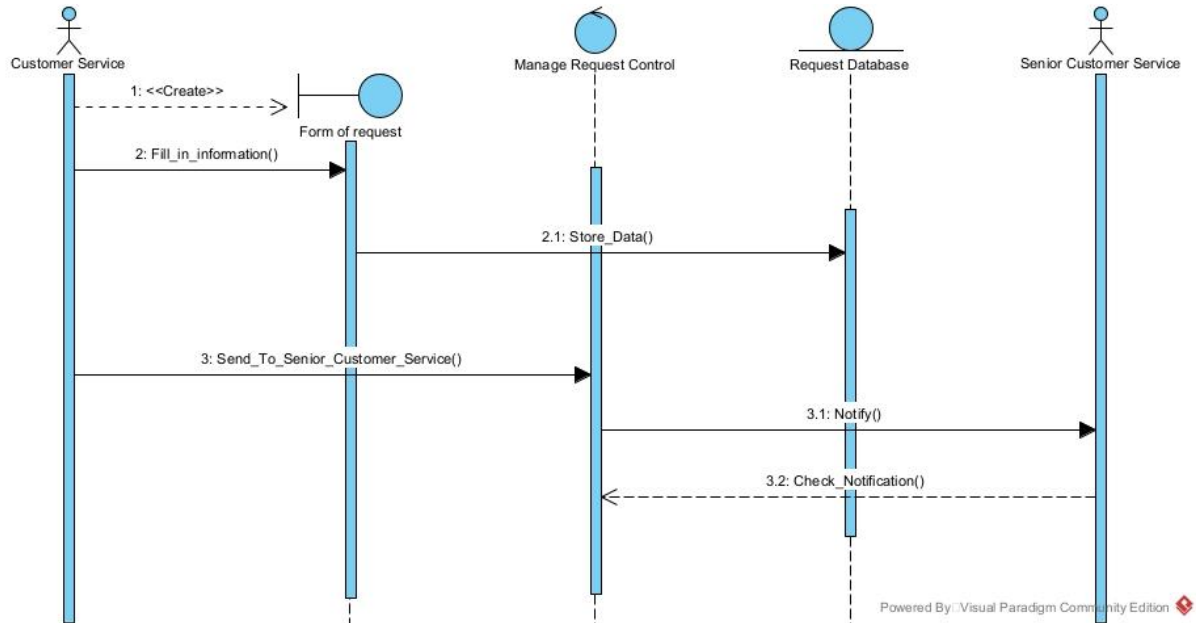
Request form	The request form for customer service to establish a formal request of the client, so that later passing through managers would be easy for them to understand the content.
Human resource check form	The form used for specific users to check the availability of human resources or modify.
Budget request form	The form used for specific users to check the budget status and update it.
Application form	The form used for the activity-implementing people to fill in details, modify them or make comments.

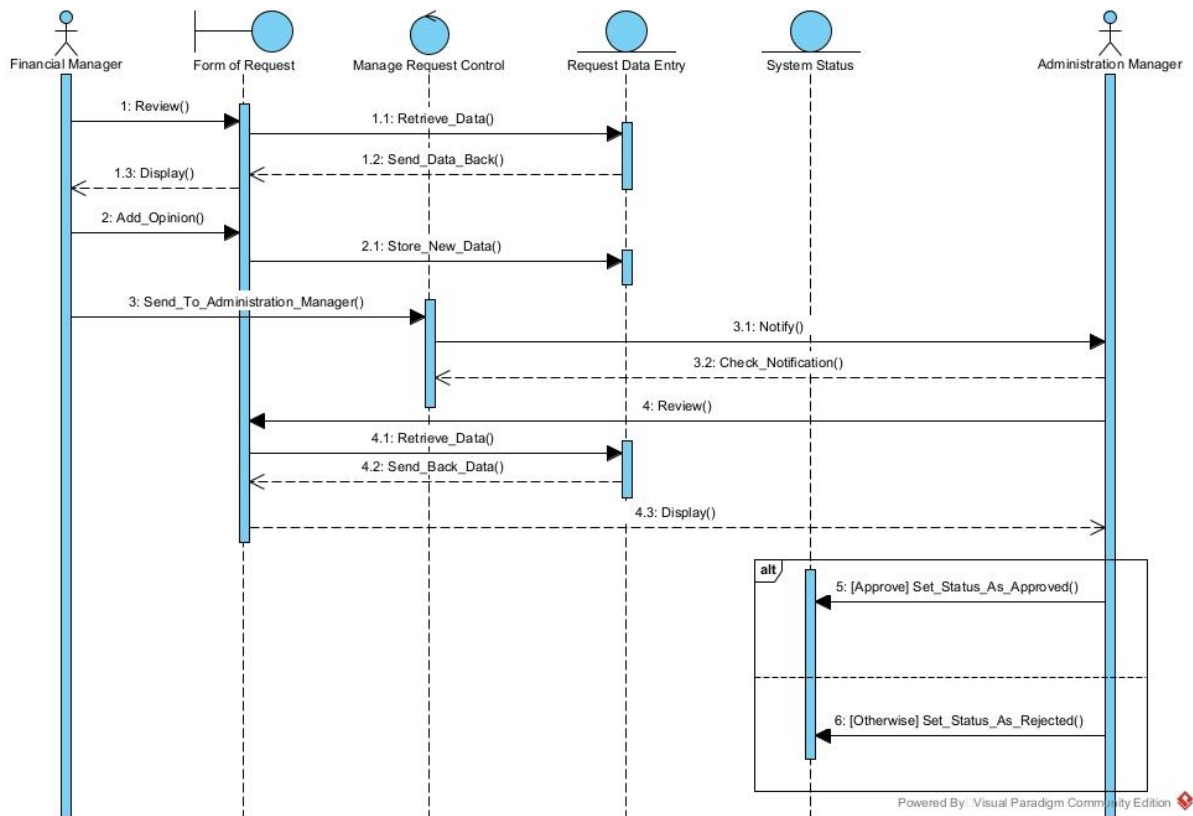
## Control Objects

Manage request control	Through this control, the request from the client can be recorded, reviewed and decided.
Human resource system	Through this control, the human resource

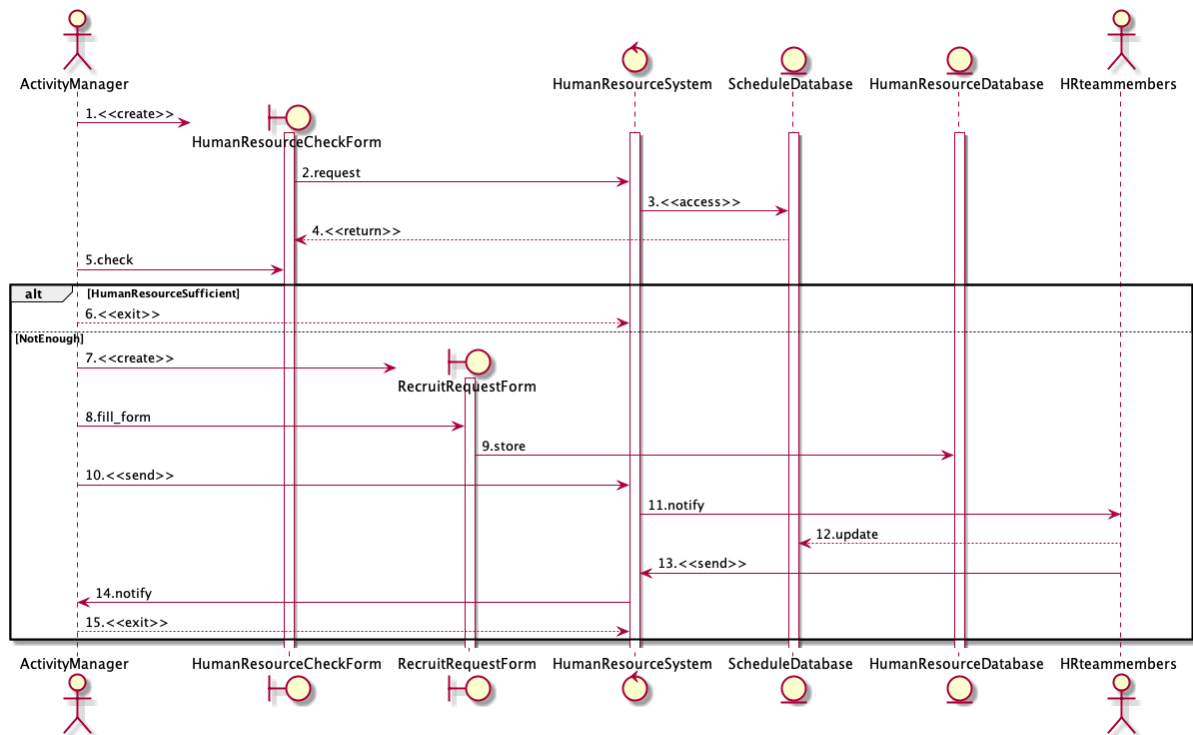
	status can be displayed, updated and changed.
Manage budget control	Through this control, the new budget can be proposed and reviewed.
Application system	Through this control, the activity plan can be created, reviewed, modified and marked as finished.

## Process New Request

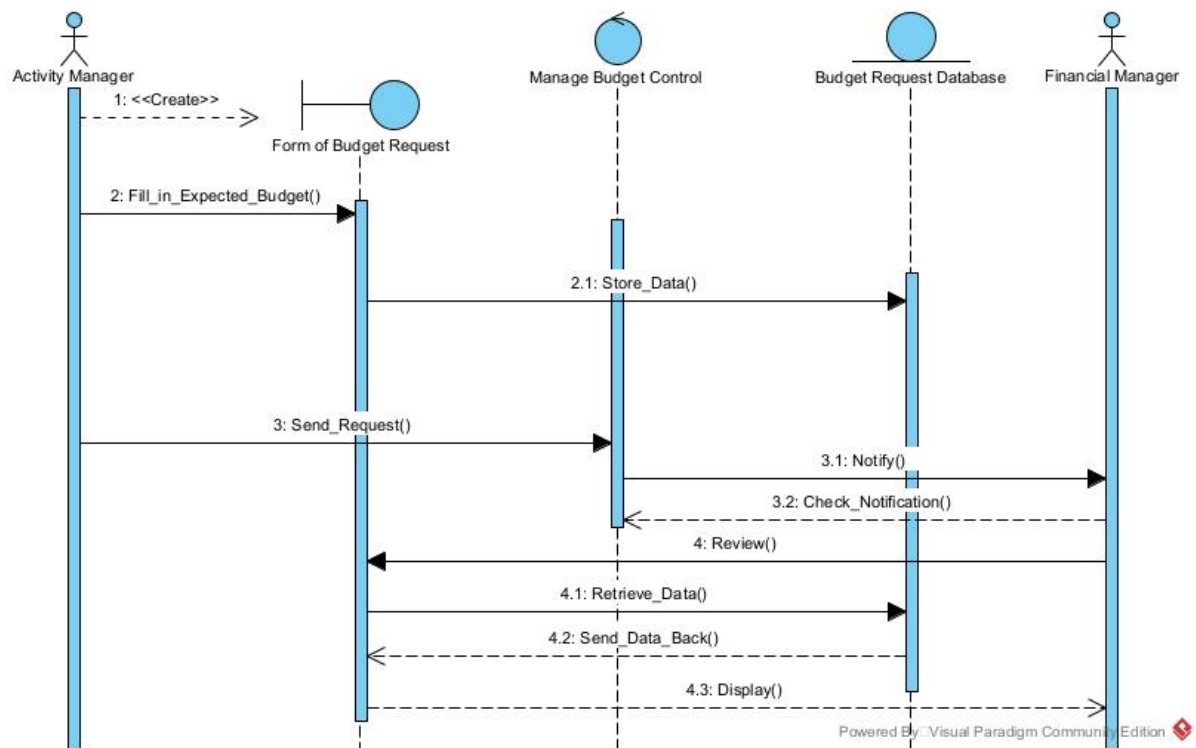




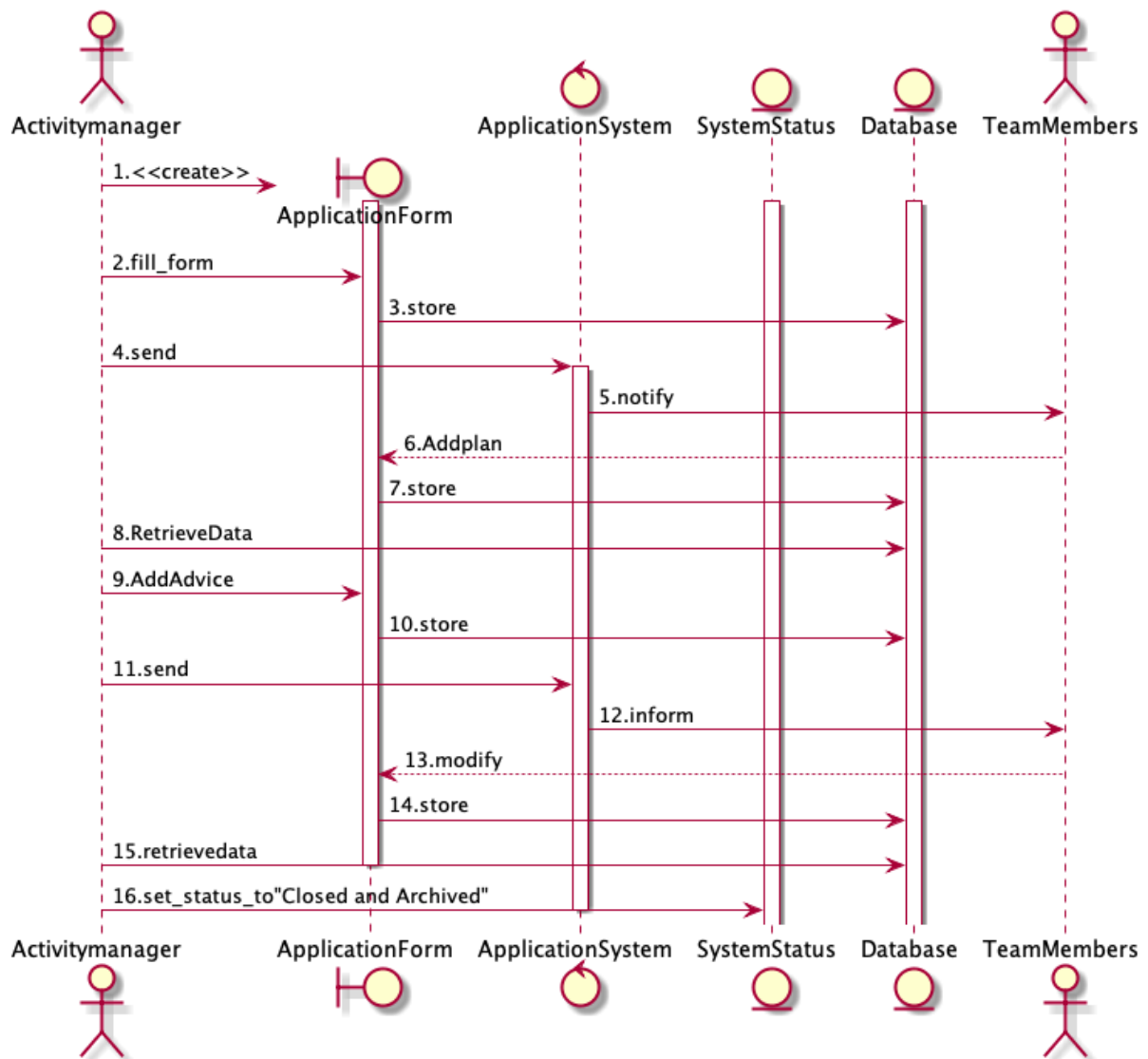
## Request Human Resources



## Request Extra Budget

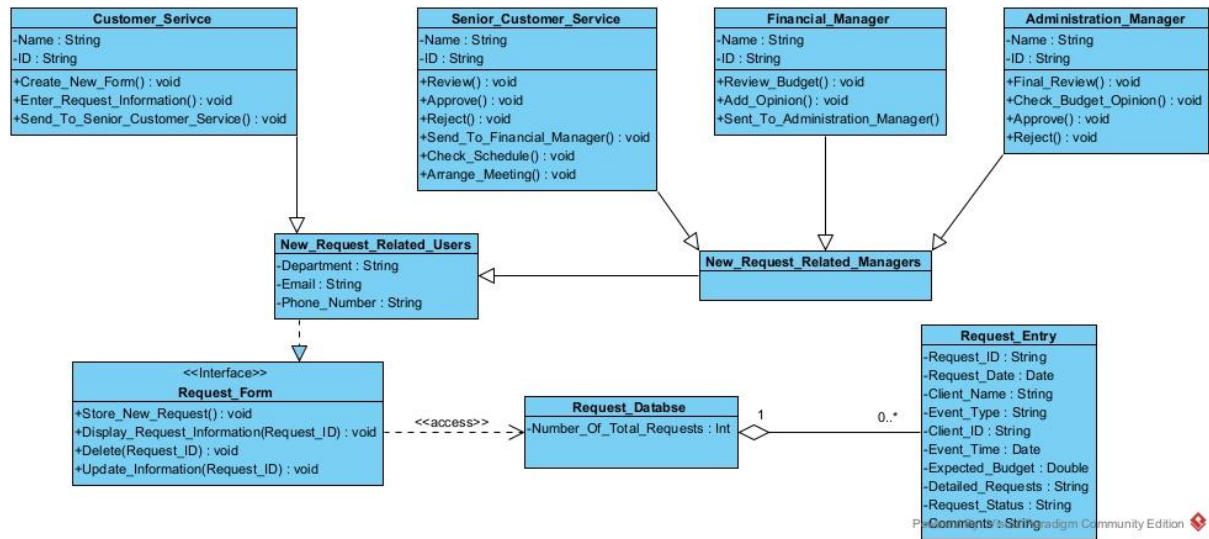


## Allocate Tasks and Plan Activity

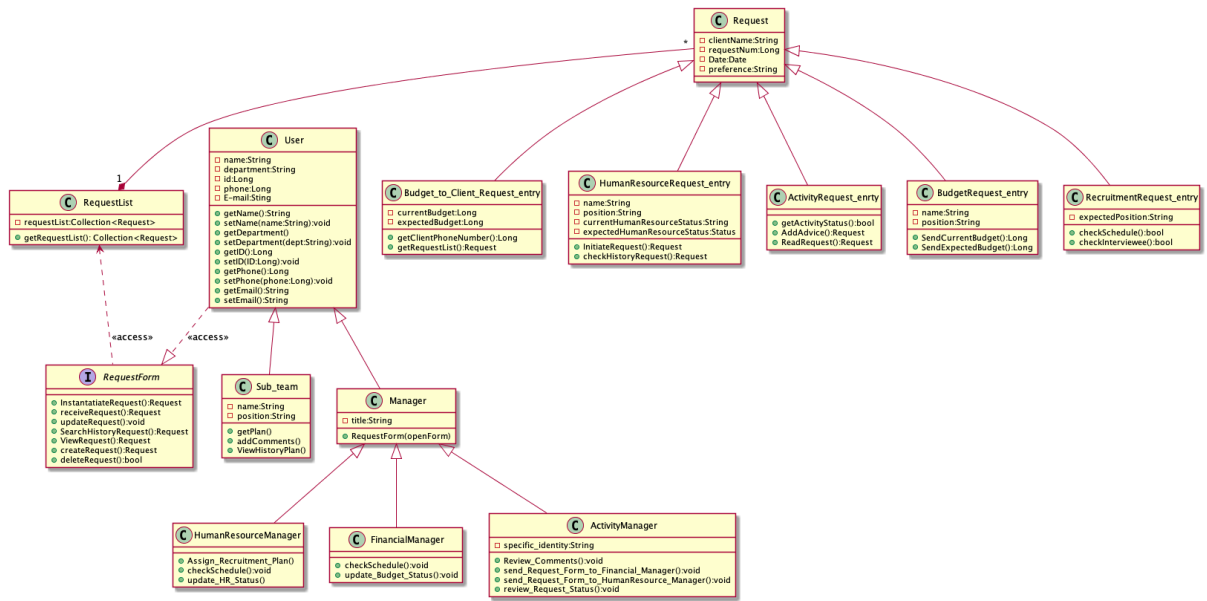




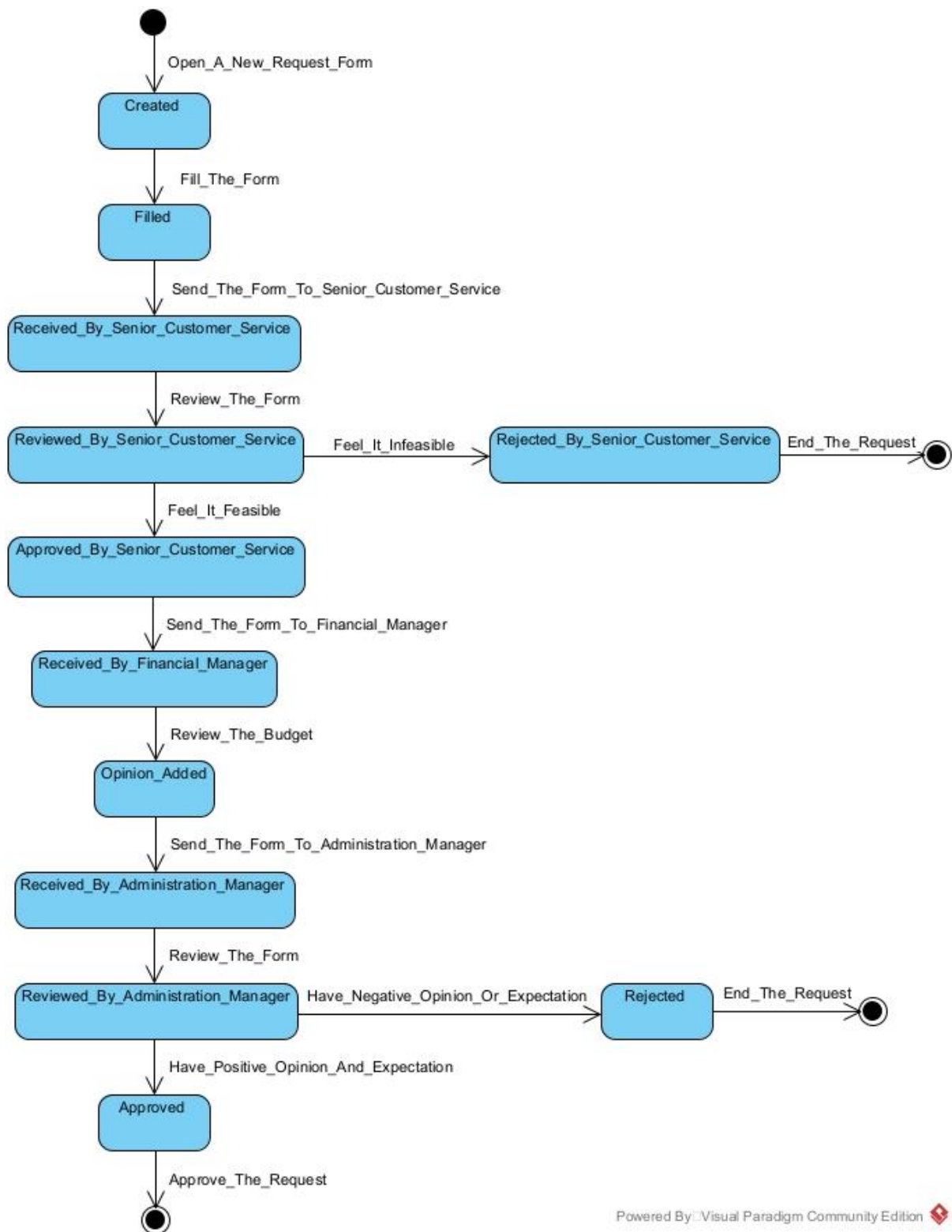
## Class Diagram New Request



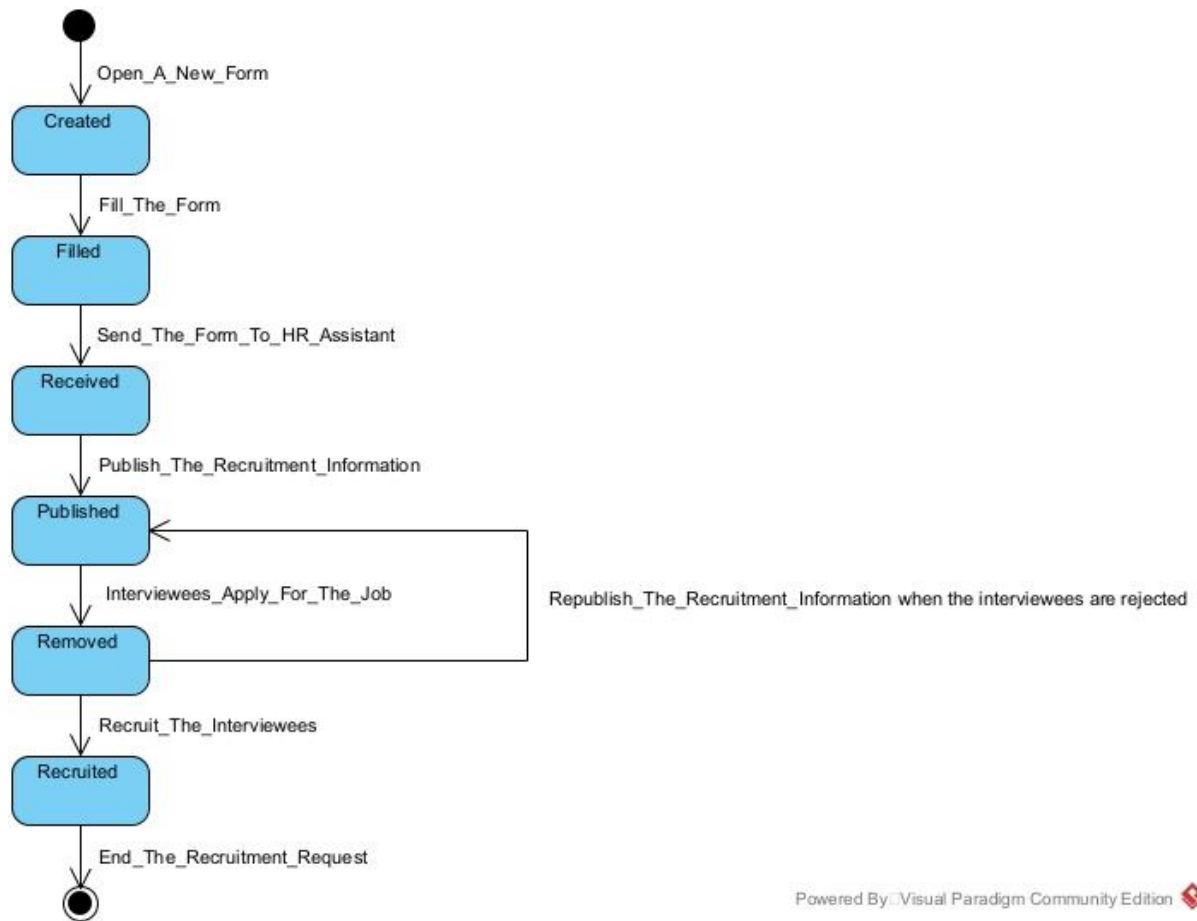
## Class Diagram For Activity Task Allocate



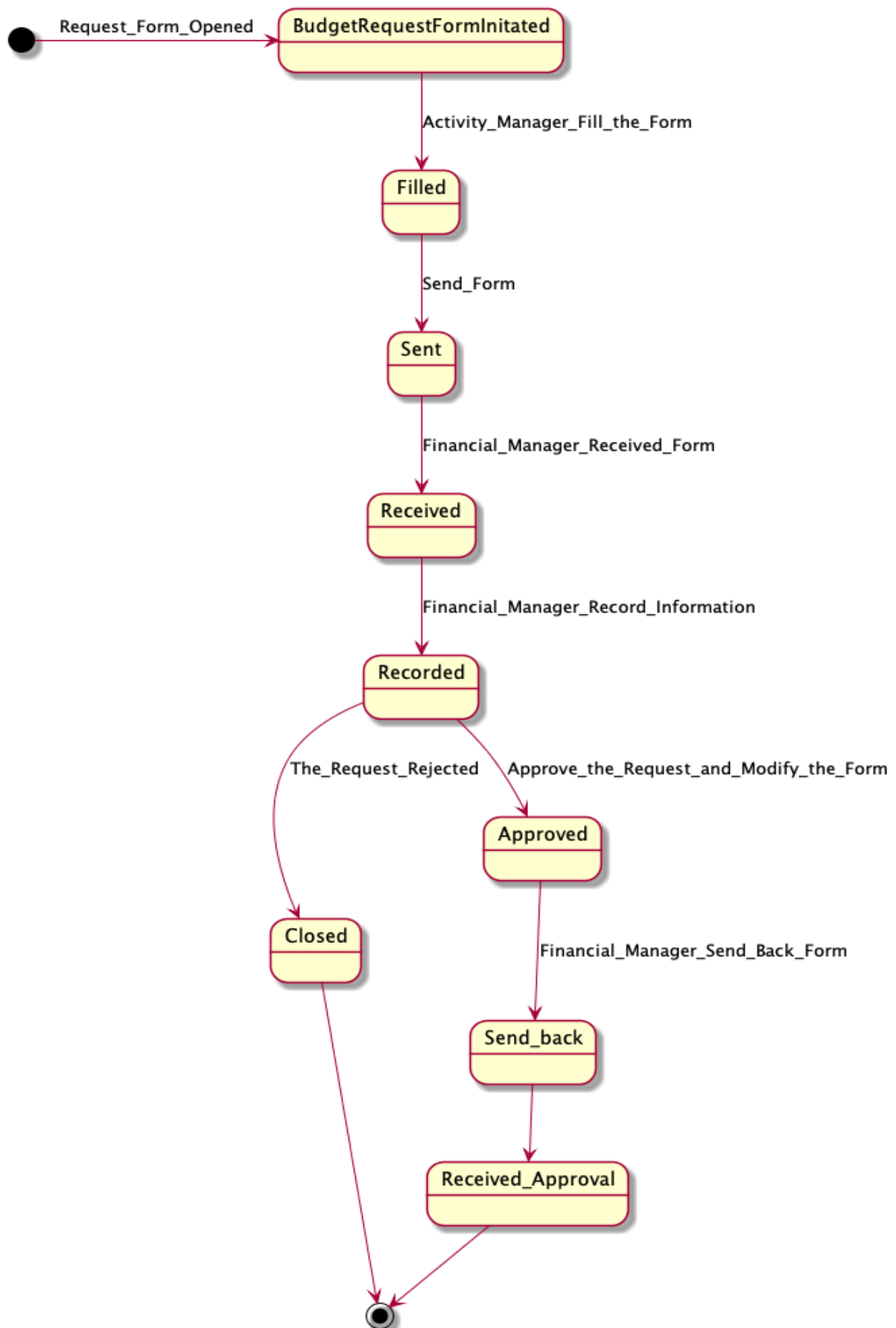
## State Chart Diagram For Processing New Request



## State Chart Diagram For Processing Human Resources Request



## State Diagram For Budget Request



## State Diagram For Activity Task Allocate

