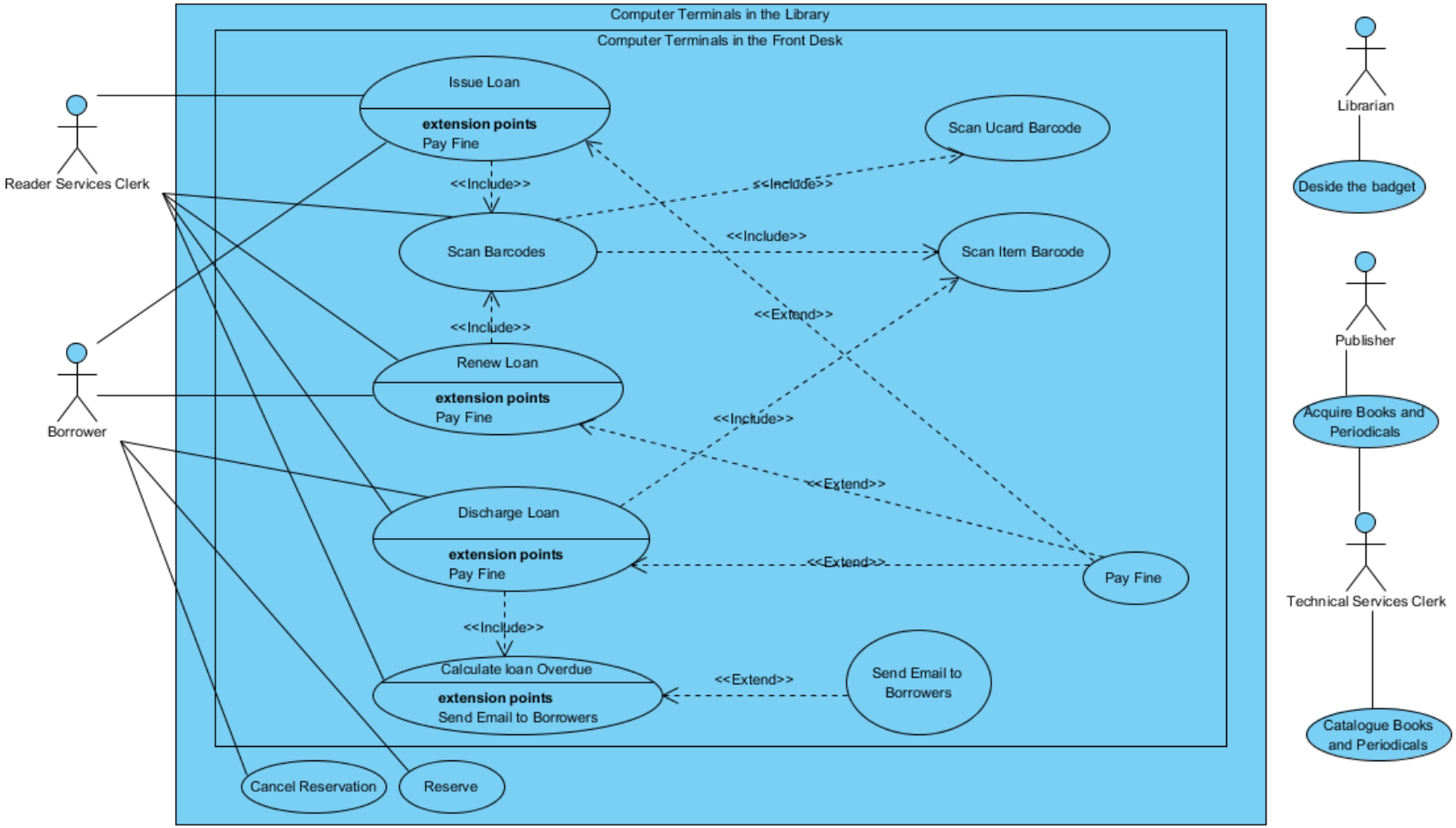
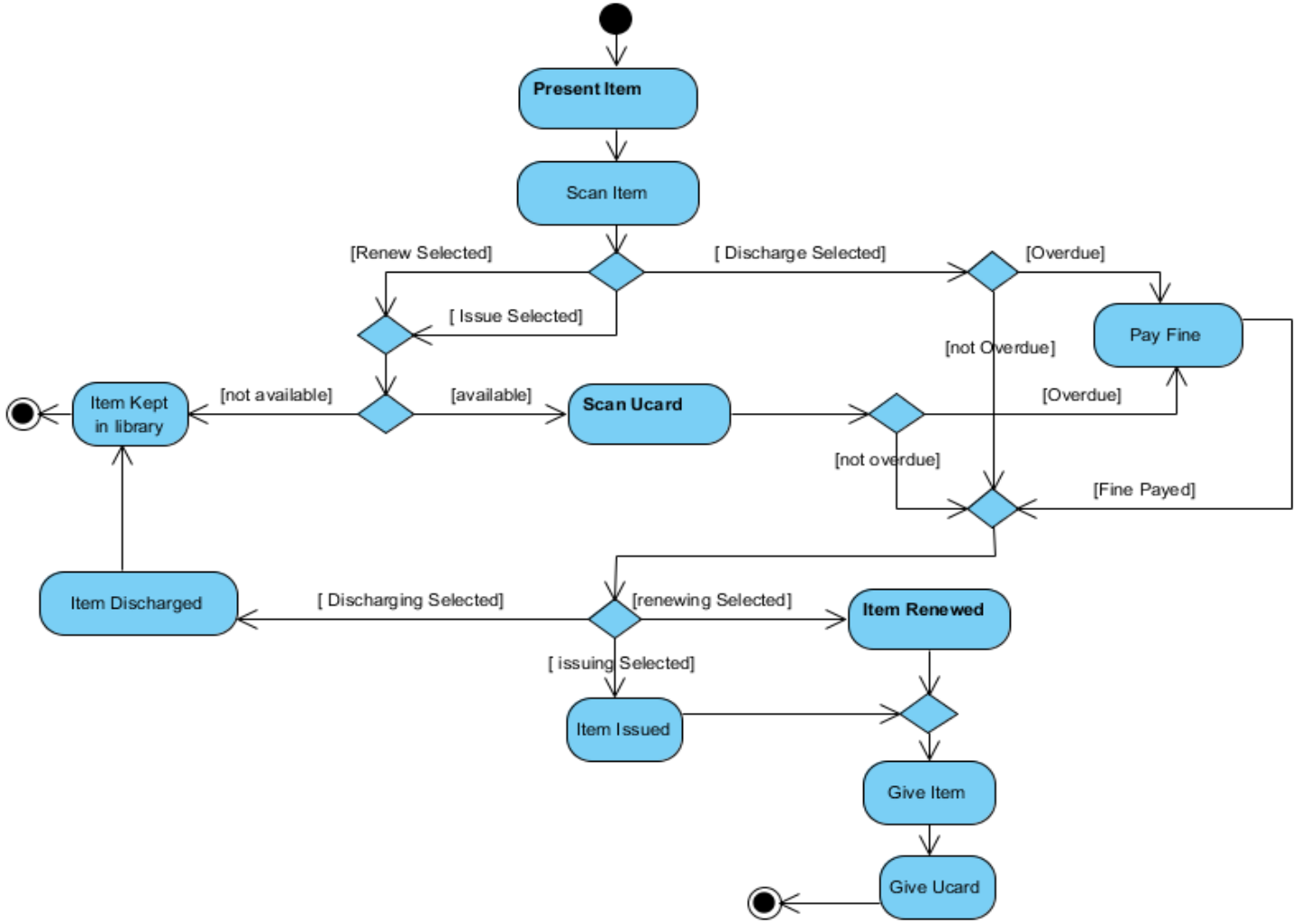
Use case Diagram:



Activity Diagram: