

Experiment 10

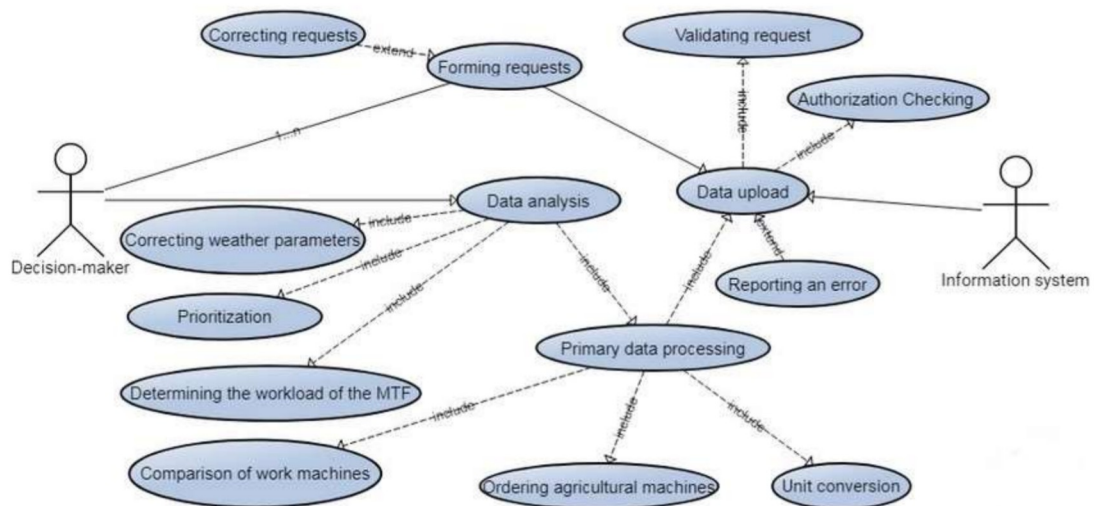
Simulated Company Case Study

a) Use Case Diagram

The Use Case Diagram for a simulated company typically includes the following actors and use cases:

- **Actors:**
 - Employee
 - Manager
 - Customer
 - Administrator
- **Use Cases:**
 - Register Account
 - Login
 - Create Project
 - Assign Task
 - Submit Report
 - View Reports
 - Manage Users (for Administrator)
 - Provide Feedback (for Customer)

Here's a visual representation of the Use Case Diagram:



b) Sequence Diagram

For the **Create Project** use case, the sequence diagram illustrates the interactions between the employee, project management system, and manager:

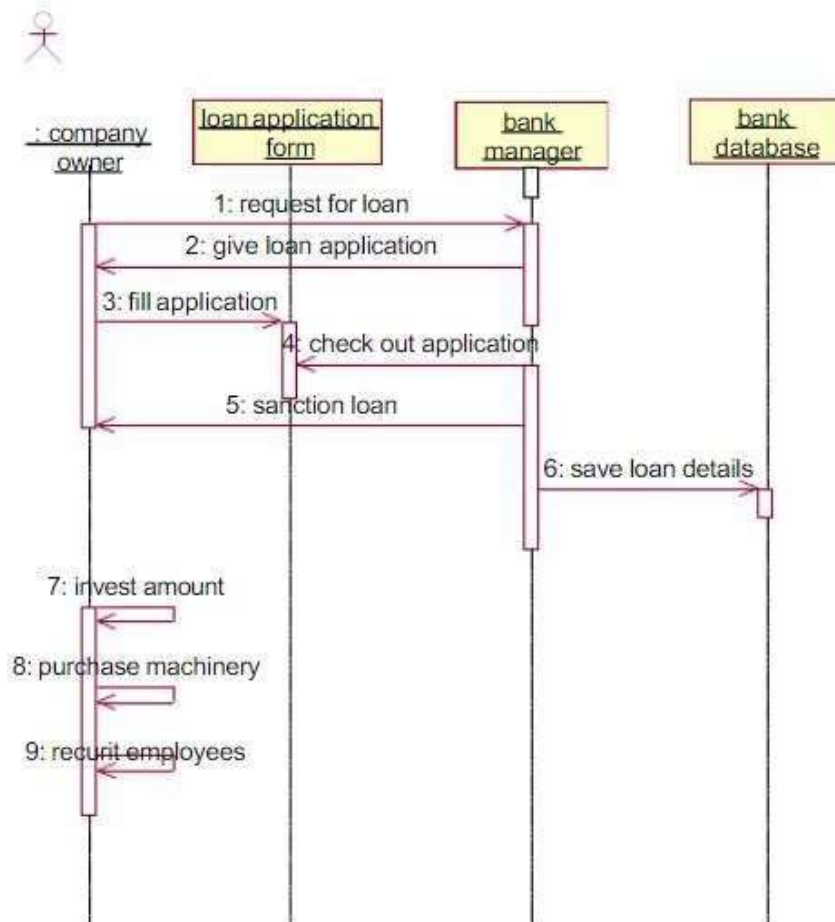


Figure 3.2.2 Sequence diagram for company owner

c) State Chart Diagram

The State Chart Diagram for a **Project** in the simulated company outlines the various states a project can be in during its lifecycle:



Figure 4.2 State chart diagram for simulated company