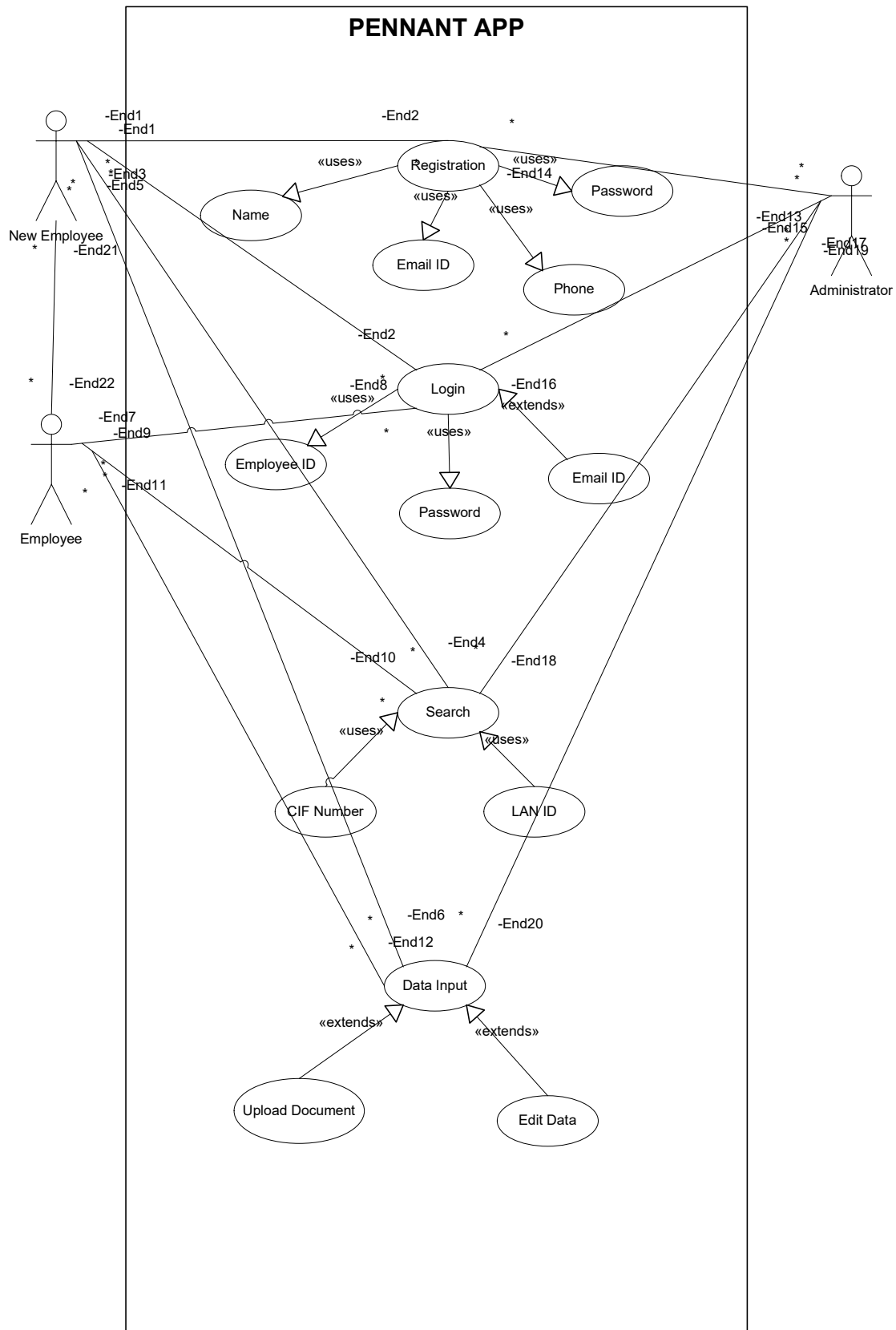


Live Project Waterfall Model Part -2

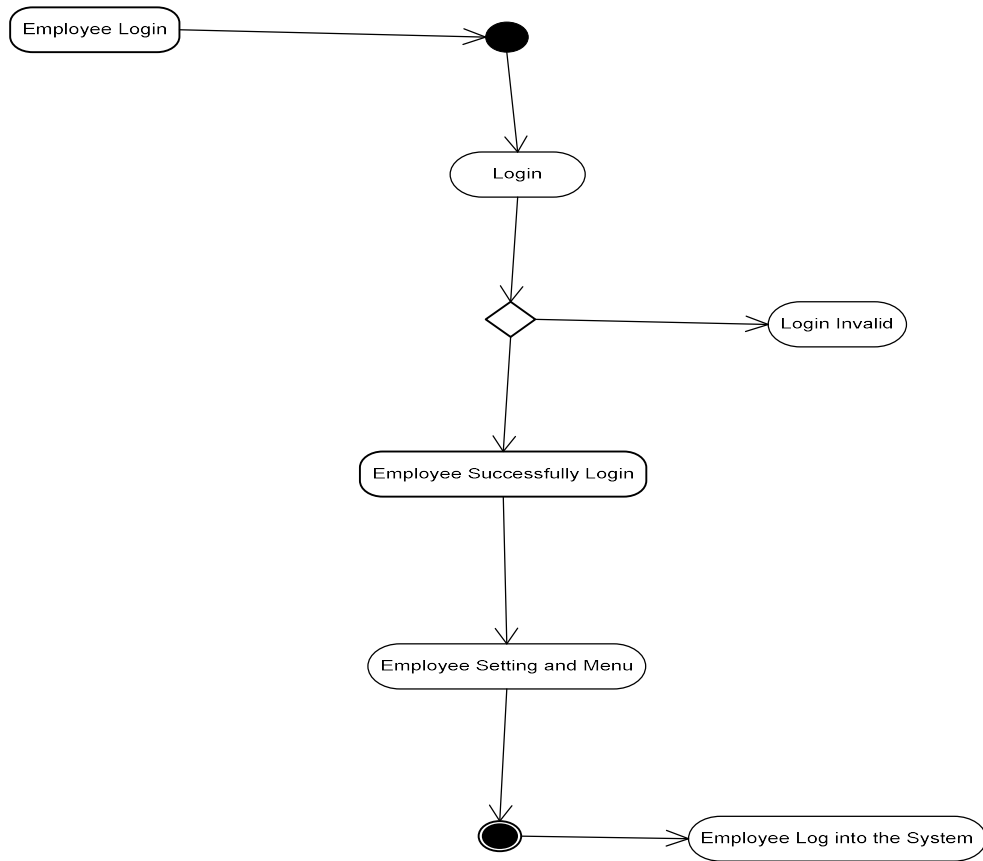
Document 6- Please prepare a use case diagram, activity diagram and a use case specification document.

Use Case Diagram

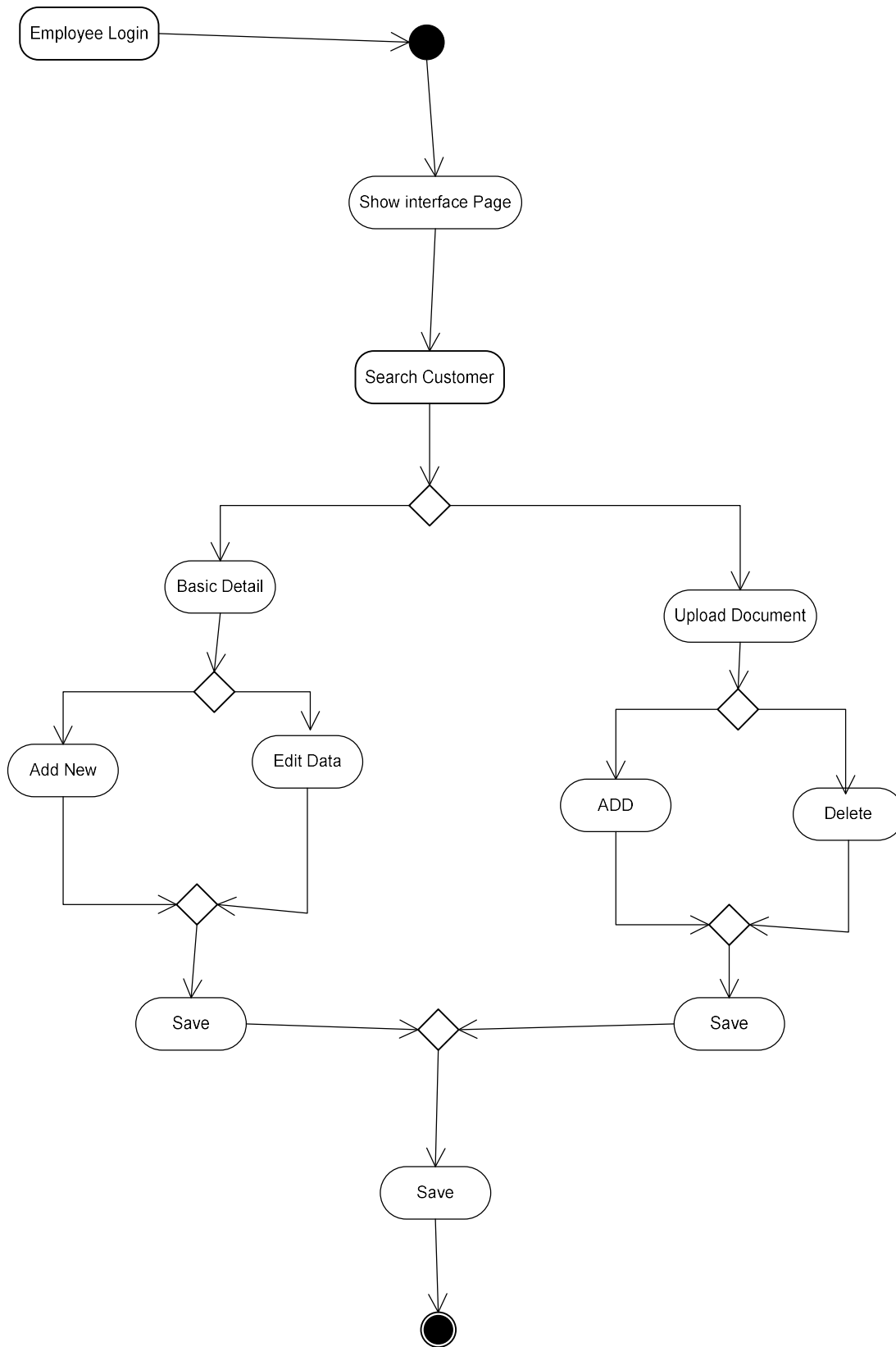


Activity Diagram

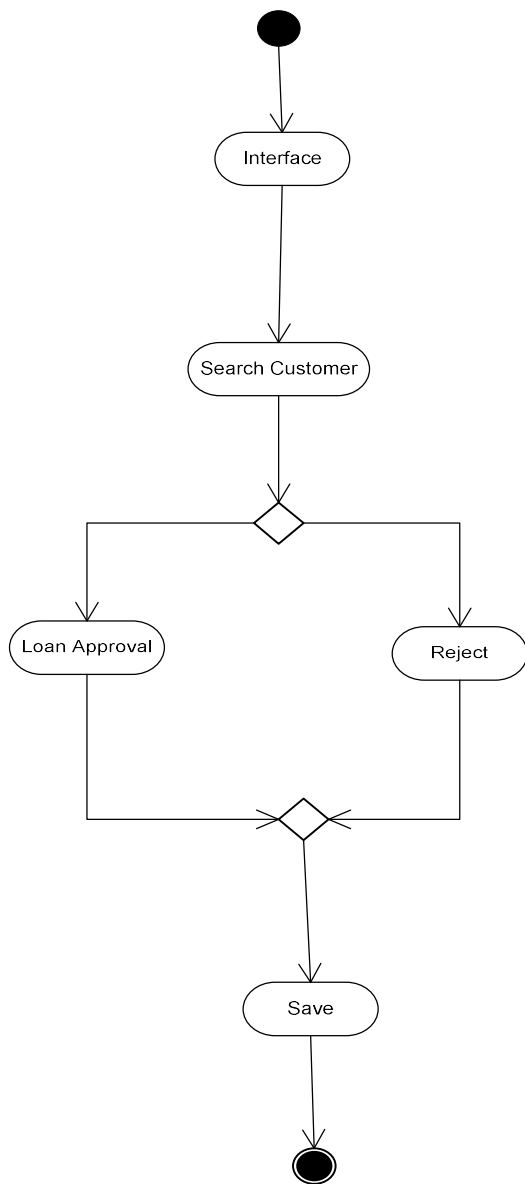
Employee Registration



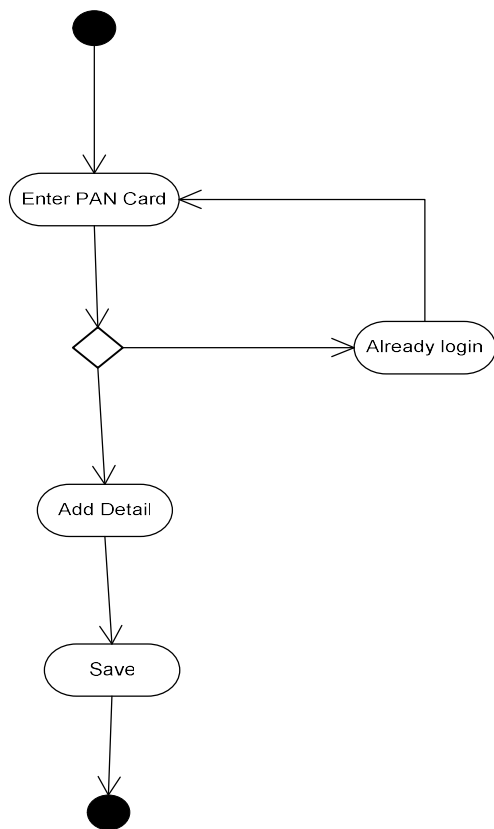
Add Data or Upload Document



Loan Decision



Add New Customer



Use Case Specification Document

Use Case Name: Login

Use Case Description: Allow user to login into the PENNANT APP

Actors:

Primary: Employees, System Administration

Secondary: Database

Basic Flow:

- User navigates to the login page.
- User enters username and password.
- System validates credentials.
- System displays the dashboard upon successful login.

Alternate Flow:

- System displays an error message.
- User retries login or resets password.

Exceptional Flow:

- User is unable to log in.
- System displays maintenance message.

Pre-Conditions:

- User must be registered in the system.
- System must be online.

Post-Conditions:

- User is logged in and directed to the dashboard.

Assumptions:

- Users have valid credentials.

Constraints:

- High load times during peak hours.

Dependencies:

- User database authentication service.

Inputs and Outputs:

- Inputs: Username, password
- Outputs: Dashboard, error messages

Business Rules:

- Passwords must meet security requirements.
- Account lockout after multiple failed attempts.

Miscellaneous Information:

Ensure password reset functionality is available.

2. Use Case Name: Upload Documents

Use Case Description: Allow Employees to upload the documents

Actor:

Primary: Employee

Secondary: Database

Basic Flow:

- Employees log into the system
- Employees search the client by entering Lan ID
- Employee uploads documents
- System save the document

Alternate Flow: Invalid document name format

- The system displays an error message.
- Employee rename and upload the document

Exceptional Flow:

- System display an error message.

Pre Condition:

- Employee must be logged into the system.

Post Condition:

- Documents are successfully saved in the system.

Assumptions.

- Employee upload correct document.

Constraints:

- System performance during high usage times.

Dependencies:

- Database service

Inputs and Outputs:

Inputs: Documents

Outputs: Confirmation message, error messages

Business Rules:

- Document must be saved in the correct format.

Miscellaneous Information:

- Document should not upload more than once.

3. Use Case Name: Data Input

Use Case Description: Allow Employees to ADD or Edit Data

Actor:

Primary: Employee

Secondary: Database

Basic Flow:

- Employees log into the system
- Employees search the client by entering Lan ID
- Employee add data
- System save the data.

Alternate Flow:

- Invalid document name format
- The system displays an error message.
- Employee must enter data in a right format.

Exceptional Flow:

- System display an error message.

Pre Condition:

- Employee must be logged into the system.

Post Condition:

- Data are successfully saved in the system.

Assumptions.

- Employee must enter right data.

Constraints:

- System performance during high usage times.

Dependencies:

- Database service

Inputs and Outputs:

- Inputs: Documents
- Outputs: Confirmation message, error messages

Business Rules:

- Data must be in the correct format.
- Data available to employees should be correct

Miscellaneous Information:

- Data taken from customers only

4. Use Case Name: Case Tracking

Use Case Description: Allow Employees to track the cases

Actor:

Primary: Employee

Secondary: Database

Basic Flow:

- Employees log into the system
- Employees search the client by entering Lan ID
- Employee can see the stage of the case
- System save the case

Alternate Flow:

- The system display that are pending

Exceptional Flow:

- It display the time taken to complete that stage.

Pre Condition:

- Employee must be logged into the system.
- System must be online

Post Condition:

- The stage must be updated regularly.

Assumptions.

- Employee have the access to the client information.

Constraints:

- Case should be completed within the time frame.

Dependencies:

- Database service

Input and Output

Inputs: Client information

Outputs: Updated Stage

Business Rules:

- It should be completed within the fix period.

Miscellaneous Information:

- It should provide and update the status regularly.

Document 7 – Screens and Pages

BAJAJ HOUSING FINANCE PVT LTD

← → × ↩

Search

Login Page

Emp ID

Password

Submit

[Forget Password](#)

BAJAJ HOUSING FINANCE PVT LTD

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Loan Origination

Enquiry

Documentattion

PD Status

RCU

Lan Number

PAN Number

CIF Number

Submit

BAJAJ HOUSING FINANCE PVT LTD

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Loan Detail

Customer

Coapplicant

Deviation

Interface Detail

CIBIL

Loan Type

Loan amount

Use

Tenure

Program

Save

BAJAJ HOUSING FINANCE PVT LTD

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Loan Detail Customer Coapplicant Deviation Interface Detail CIBIL

Name

Father Name

PAN

DOB

Mobile

Save

Document 8: Tools - Visio and Axure

In this project, I effectively utilized MS Visio and Axure to enhance the design and development process. MS Visio was instrumental in creating detailed technical diagrams, including flowcharts, UML diagrams, and network layouts, which facilitated clear communication and planning. Axure was used to design intuitive user interfaces and interactive prototypes, ensuring a seamless user experience. The real-time collaboration features of both tools allowed for efficient teamwork and iterative feedback, leading to a well-organized and visually appealing Pennant portal.

Document 9: BA Experience

1. Requirement Gathering:

- In this project, I leveraged my expertise as a Business Analyst to gather comprehensive requirements by using MOSCOW technique for the PENNANT portal.
- Through a combination of stakeholder interviews, workshops, and surveys, I meticulously documented the needs and expectations of employees, administrators, and IT staff.
- I validate the requirements using FURPS technique
- Utilizing elicitation techniques such as use case analysis and process mapping, I ensured a thorough understanding of the functional and non-functional requirements.
- My experience in requirement gathering helped create a detailed and precise requirements document, which served as a solid foundation for the successful development and implementation of the PENNANT portal.
- Prototyping is used to give more specific requirements

2. Requirement Analysis:

- In this project, I utilized my Business Analyst skills to perform a thorough requirements analysis for the PENNANT APP.
- Started by organizing and categorizing the gathered requirements, ensuring clarity and removing any ambiguities.
- Using detailed analysis techniques, I identified and consolidated duplicate requirements, ensuring a streamlined and coherent set of needs.
- Shared diagrams with the team for feedback. The team's suggestions were incorporated and made necessary modifications.
- Conducted regular validation sessions with stakeholders to confirm the accuracy and completeness of the requirements.
- By developing and sharing prototypes, I facilitated stakeholder engagement, refining the requirements to align perfectly with user expectations. This meticulous approach ensured a solid foundation for the project's successful implementation.
- Prepare BRS and SRS

3. Design

- From the use case diagrams, we prepare test cases
- Communicate with client on design and solution documents
- Write negative test cases as well along with positive test cases.
- Do not miss a single test case. It might have huge impact on project development in later stages
- Prepare test data for testing
- Update RTM. This is just as we need to make sure that all the requirements are met

4. Development:

- Organized JAD sessions
- Clarifying queries of tech team during coding
- There might be some team members who don't agree with the concept or who don't cooperate during JAD sessions. As a BA I handled the situation gently and had on one discussions with them. Explained how their actions are going to affect the project. Set up a healthy environment within the team.
- Referred diagrams to code the Unit
- Conduct regular meetings with the technical team and client which is challenging. Some team members might not be available for the meeting. Recording the session and providing that to the missed one and having to one discussion later with that missed person is all I need to do.

5. Testing

:

- Prepare test cases from use cases
- Perform high-level testing
- Test data is requested by BA from client
- Updated RTM
- Take signoff from the client
- Prepare client for UAT

6. Deployment:

- Forwarded RTM to client which should be attached to project closure document
- Coordinates to complete and share end user manuals

- Plans and organizes training sessions
- Make sure all the candidates attend the meeting