List of Actor:

1. Administrator or Employee
2. Customer

List of Use Case by the Actor:

1. Administrator or Employee:
2. Login
3. Create And Update Employee Account
4. Create And Update Customer Account
5. Create And Update Team Account
6. Account Recharge
7. Recharge History
8. Customer Login History
9. View Cash
10. Cash History
11. View Business Summary
12. Rate Setup
13. Customer Account Maintenance
14. Team Account Maintenance
15. Change Password
16. Screenshots
17. Send Email
18. Email Account Setup
19. General Setting
20. Counter`s Information
21. Database Backup and Restore
22. Customer Account status Reset

Use Case Narration:

* 1. Use case 1: Login

Primary Actor: Administrator or Employee

Stakeholder or Interests: Administrator or Employee

Precondition: Administrator or Employee ready to use for login and logout.

Post condition: Administrator or Employee logged in or logout.

Main Success Scenario:

1. Administrator or Employee type username and password.
2. Click on “Login” Button.
3. Load Administrator or Employee’s privileges.
4. Configuring software features based on Privileges.
   1. Use case 2: Create And Update Employee Account

Primary Actor: Administrator or Employee (Privileges Required).

Stakeholder or Interests: Administrator or Employee (Privileges Required).

Precondition: Login as Administrator or Privilege Required for Employee.

Post condition: Add New or Update or Delete Employee.

Main Success Scenario:

1. Assign a Username. (Must be unique.)
2. Assign a Phone number. (Must be valid.)
3. Assign an Email address. (Must be valid.)
4. Provide a password.
5. Address may or may not be provided.
6. Provide a photo.
7. Select Privileges.
8. Click on “Update” button.
9. System adds new Employee and Display conformation messages.

Alternate Success Scenario:

1. If the Employee already exists then Display warning message and Update Employee information and Display conformation messages after update.
2. Click on “Delete” Button to delete a selected Employee. System Display warning messages before deleting and Display conformation messages after deleting.
   1. Use case 3: Create and Update Customer Account

Primary Actor: Administrator or Employee (Privileges Required).

Stakeholder or Interests: Administrator or Employee (Privileges Required).

Precondition: Login as Administrator or Privilege Required for Employee.

Post condition: Add New or update or Delete Customer.

Main Success Scenario:

1. Assign a Username. (Must be unique.)
2. Assign a Phone number (Must be valid.)
3. Assign an Email address (Must be valid.)
4. Assign a Name (Must Assign.)
5. Provide a password.
6. Assign an Address. (May or may not be provided.)
7. Assign National ID. (May or may not be provided.)
8. Provide a photo.
9. Click on “Update” Button.
10. System adds new Customer and Display conformation messages.

Alternate Success Scenario:

1. If the customer already exists then Display a warning messages and Update customer information and Display confirmation messages after update.
2. Click on “Delete” Button to delete a selected Customer. System Display warning messages before deleting and Display confirmation messages after deleting.
   1. Use case 4: Create and update Team Account

Primary Actor: Administrator or Employee (Privileges Required).

Stakeholder or Interests: Administrator or Employee (Privileges Required).

Precondition: Login as Administrator or Privilege Required for Employee.

Post condition: Add New or update or delete Team.

Main Success Scenario:

1. Assign a Team Name. (Must be unique.)
2. Assign an Admin Name. (Must have.)
3. Add Team members. (May or may not be added.)
4. Provide a photo.
5. Click on “Update” Button.
6. System adds new team and display confirmation messages.

Alternate Success Scenario:

1. If the team already exists then it can add and remove members.
2. Click on “Update” Button.
3. Display Warning messages
4. Finally Display confirmation messages after updating team information.
5. Click on “Delete” Button to delete a selected Team. System Display warning messages before deleting and Display confirmation messages after deleting.
   1. Use case 5: Account Recharge

Primary Actor: Administrator or Employee (Privileges Required).

Stakeholder or Interests: Administrator or Employee (Privileges Required).

Precondition: Login as Administrator or Privilege Required for Employee.

Post condition: Update Customer or Team Account.

Main Success Scenario:

1. Select a Customer Name or Team Name.
2. Select minutes or Rate
3. Click on “Update” Button
4. Add minutes with existing account balance.
5. Display confirmation messages.
   1. Use case 6: Recharge History

Primary Actor: Administrator or Employee (Privileges Required).

Stakeholder or Interests: Administrator or Employee (Privileges Required).

Precondition: Login as Administrator or Privilege Required for Employee.

Post condition: View Customer or Team Account Recharge History.

Main Success Scenario:

1. Select a Customer Name or Team Name.
2. Select any following search criteria.
3. Select By Name or For All.
4. By Date.
5. Between two Date.
6. Any Date.
7. Click on “Search” Button.
8. Display recharges history.

Alternative Success Scenario:

* 1. Delete History based on selected History or all.
  2. Display confirmation after deleting.
  3. Use case 7: Customer Login History

Primary Actor: Administrator or Employee (Privileges Required).

Stakeholder or Interests: Administrator or Employee (Privileges Required).

Precondition: Login as Administrator or Privilege Required for Employee.

Post condition: View and Delete Customer Login History.

Main Success Scenario:

1. Select any following search criteria.
2. Select By Name or For All.
3. By Date.
4. Between two Date.
5. Any Date.
6. Click on “Search” Button
7. Display a list of Login History.

Alternative success scenario:

1. Delete History based on selected History or all.
2. Display confirmation messages after deleting.
   1. Use case 8: View Cash

Primary Actor: Administrator or Employee (Privileges Required).

Stakeholder or Interests: Administrator or Employee (Privileges Required).

Precondition: Login as Administrator or Privilege Required for Employee.

Post condition: View and Update Cash.

Main Success Scenario:

1. Select a Date (Current Date selected by default).
2. Click on “Search” Button
3. View Cash based on selected date.

Alternative Success Scenario:

1. Edit and Update Cash.
2. Display confirmation messages after update cash.
   1. Use case 9: Cash History

Primary Actor: Administrator or Employee (Privileges Required).

Stakeholder or Interests: Administrator or Employee (Privileges Required).

Precondition: Login as Administrator or Privilege Required for Employee.

Post condition: View Cash History.

Main Success Scenario:

1. Select any following search criteria.
2. By Date.
3. Between to Date.
4. By All.
5. Click on “Search” Button.
6. View a list of Cash information.

Alternative Success Scenario:

1. Making report based on search result.
2. Delete selected Cash information
3. Display confirmation messages after deleting.
   1. Use case 10: View Business Summary

Primary Actor: Administrator or Employee (Privileges Required).

Stakeholder or Interests: Administrator or Employee (Privileges Required).

Precondition: Login as Administrator or Privilege Required for Employee.

Post condition: View business summary.

Main Success Scenario:

1. Select Date (Current Date selected by default).
2. Click on “Search” button.
3. View Cash, total sales minute and how many customers are logged in.
   1. Use case 11: Rate Setup

Primary Actor: Administrator or Employee (Privileges Required).

Stakeholder or Interests: Administrator or Employee (Privileges Required).

Precondition: Login as Administrator or Privilege Required for Employee.

Post condition: Update or Insert Rate.

Main Success Scenario:

1. Provide minutes and it`s amount.
2. Click on “Update” button.
3. Display confirmation messages after insert.

Alternative Success Scenario:

1. If minutes or amount already exists then display a warning messages and update rate information and display confirmation messages after updating.
2. Delete selected rate information.
   1. Use case 12: Customer Account Maintenance

Primary Actor: Administrator or Employee (Privileges Required).

Stakeholder or Interests: Administrator or Employee (Privileges Required).

Precondition: Login as Administrator or Privilege Required for Employee.

Post condition: View Customer Information`s.

Main Success Scenario:

1. Select any following search criteria.
2. By Name
3. By Date
4. Date is Equal.
5. Date is below.
6. Between two date.
7. By Minutes
8. Minutes are Equal.
9. Minutes are below.
10. Click on “Search” Button.
11. Display a list of Customer Account Information.

Alternative Success scenario:

1. Delete customer information based on selected customer or all customers.
   1. Use case 13: Team Account Maintenance

Primary Actor: Administrator or Employee (Privileges Required).

Stakeholder or Interests: Administrator or Employee (Privileges Required).

Precondition: Login as Administrator or Privilege Required for Employee.

Post condition: View Team Information`s.

Main Success Scenario:

1. Select any following search criteria.
2. By Name
3. By Date
4. Date is Equal.
5. Date is below.
6. Between two date.
7. By Minutes
8. Minutes are Equal.
9. Minutes are below.
10. Click on “Search” Button.
11. Display a list of Team Information.

Alternative success scenario:

1. Delete team information based on selected team or all teams.
   1. Use case 14: Change Password.

Primary Actor: Administrator or Employee (Privileges Required).

Stakeholder or Interests: Administrator or Employee (Privileges Required).

Precondition: Login as Administrator or Privilege Required for Employee.

Post condition: Change Employee or Administrator Password

Main Success Scenario:

1. Assign current password.
2. Assign new password.
3. Re-enter new password.
4. Click on “Update” Button.
5. Display confirmation messages.
   1. Use case 15: Screenshot.

Primary Actor: Administrator or Employee (Privileges Required).

Stakeholder or Interests: Administrator or Employee (Privileges Required).

Precondition: Login as Administrator or Privilege Required for Employee.

Post condition: Taking screen snapshot after a particular time.

Main Success Scenario:

1. Provide a Time Span.
2. Click on “Start” button.

Alternative Success Scenario:

1. Click on “Stop” button to stop taking screenshot.
   1. Use case 16: Send Email.

Primary Actor: Administrator or Employee (Privileges Required).

Stakeholder or Interests: Administrator or Employee (Privileges Required).

Precondition: Login as Administrator or Privilege Required for Employee.

Post condition: Send email to the customer’s.

Main Success Scenario:

1. Select any following email sending criteria.
2. Send email only One
3. Send email all.
4. Assign a subject.
5. Provide necessary information in email body.
6. Click on “Send” Button.
   1. Use case 17: Email Account Setup.

Primary Actor: Administrator or Employee (Privileges Required).

Stakeholder or Interests: Administrator or Employee (Privileges Required).

Precondition: Login as Administrator or Privilege Required for Employee.

Post condition: Update sender email account information.

Main Success Scenario:

1. Assign a email address
2. Assign it`s password.
   1. Use case 18: General Setting.

Primary Actor: Administrator or Employee (Privileges Required).

Stakeholder or Interests: Administrator or Employee (Privileges Required).

Precondition: Login as Administrator or Privilege Required for Employee.

Post condition: Update general settings.

Main Success Scenario:

1. Assign that software will start at computer’s start or not.
   1. Use case 19. Counter`s Information.

Primary Actor: Administrator or Employee (Privileges Required).

Stakeholder or Interests: Administrator or Employee (Privileges Required).

Precondition: Login as Administrator or Privilege Required for Employee.

Post condition: View counter`s information.

Main Success Scenario:

1. View counter name.
2. View counter number
3. View username (if any customer is currently logged in )
4. View account balance (if any customer is currently logged in )
   1. Use case 21: Database backup and restore.

Primary Actor: Administrator or Employee (Privileges Required).

Stakeholder or Interests: Administrator or Employee (Privileges Required).

Precondition: Login as Administrator or Privilege Required for Employee.

Post condition: Backup Database or Restore Database.

Main Success Scenario:

1. Database backup.
2. Assign a folder path.
3. Click on “Backup” Button.
4. Display confirmation messages after database backup.
5. Database Restore.
6. Select a .bak file.
7. Click on “Restore” Button.
8. Display confirmation messages after database restore.
   1. Use case 22: Customer login status reset.

Primary Actor: Administrator or Employee (Privileges Required).

Stakeholder or Interests: Administrator or Employee (Privileges Required).

Precondition: Login as Administrator or Privilege Required for Employee.

Post condition: Change login status if it shows still logged in after a customer logged out or may any other problem.

Main Success Scenario:

1. Select a customer.
2. Click on “Update” Button.
3. Display confirmation messages after updating.
4. Customer
5. Customer Login
6. Change password.
7. Change customer profile.
8. View login history
9. View recharge history
10. Create and update team
11. View team recharges history.

Use Case Narration:

* 1. Use case 1: Customer login.

Primary Actor: Customer.

Stakeholder or Interests: Customer.

Precondition: Customer logged in.

Post condition: Start decrementing balance from customer account.

Main Success Scenario:

1. Assign username.
2. Assign password.
3. Assign team name (if customer want to login in team)
4. Click on “Login” Button.
   1. Use case 2: Change Password.

Primary Actor: Customer.

Stakeholder or Interests: Customer.

Precondition: Customer logged in.

Post condition: Update customer login password.

Main Success Scenario:

1. Assign current password.
2. Assign new password.
3. Re-enter new password.
4. Click on “Update” Button.
5. Display confirmation messages.
   1. Use case 3: Change customer profile.

Primary Actor: Customer.

Stakeholder or Interests: Customer.

Precondition: Customer logged in.

Post condition: Update customer profile.

Main Success Scenario:

1. Change photo.
2. Change name.
3. Change phone.
4. Change email.
5. Change National ID.
6. Change address.
7. Click on “Update” Button.
8. Display confirmation messages.
   1. Use case 4: View login history.

Primary Actor: Customer.

Stakeholder or Interests: Customer.

Precondition: Customer logged in.

Post condition: View login history.

Main Success Scenario:

1. Select any following search criteria.
2. By Date.
3. Between to Date.
4. By All.
5. Click on “search” button.
6. Show a list of login information.
   1. Use case 5: View recharges history.

Primary Actor: Customer.

Stakeholder or Interests: Customer.

Precondition: Customer logged in.

Post condition: View recharges history.

Main Success Scenario:

1. Select any following search criteria.
2. By Date.
3. Between to Date.
4. By All.
5. Click on “Search” Button.
6. Show a list of recharge information.
   1. Use case 6: Create and update team.

Primary Actor: Customer.

Stakeholder or Interests: Customer.

Precondition: Customer logged in.

Post condition: Create new team or update old team.

Main Success Scenario:

1. Create new team.
   1. Assign a Team Name. (Must be unique.)
   2. Assign an Admin Name. (Must have.)
   3. Add Team members. (May or may not be added.)
   4. Provide a photo.
   5. Click on “Update” Button.
   6. Display confirmation messages.

Alternative Success Scenario:

1. Update old team (If the customer is a team administrator)
   1. Change photo
   2. Add and remove members.
   3. Click on “update” button.
   4. Display confirmation messages.
2. Delete a team.
   1. Use case 7: View team recharges history.

Primary Actor: Customer.

Stakeholder or Interests: Customer.

Precondition: Customer logged in.

Post condition: View team recharges history.

Main Success Scenario:

* 1. Select any following search criteria.
     1. By Date.
     2. Between to Date.
     3. By All.
  2. Click on “Search” Button.
  3. Show a list of team recharge information.