Name	Operation
Dinithi - **Power failure management**	**Power failure management** Insert power failure complaints View all the complaints Update resolved complaints Delete power failure complaints
Nisali - **Payment Management-Admin Side**	**Payment Management** Add new customer payment details View customer payment details Update payment status/details Delete invalid customer payment details (invalid payment details such as details of customers who changed their addresses)
Nuwanga - **User Power consumption Management – Admin side**	Input (Kilowatt ,Unit ,Hrs and User Name Address) Delete User power Consumption Details Update User power Consumption Details View User power Consumption Details Calculation - Calculate User Power consumption Details and show it to the user

Taniya – Employee Management-Admin Side	Add new employees Update details of employees View employee profiles Delete profiles of employees
Dahami – Customer Management	Add new Customer Update details of Customer View Customer profiles Delete profiles of Customer

frame

Login
Ext p: Incorrect login credentials

- <<include>> → Create a session
- <<include>> → Validate login credentials
- <<extend>> ← display an error message
- <<extend>> ← Redirect to the login page

View payment details

Update payment details/status <<include>> → Validate payment details
Ext p: Operation unsuccess

Add payment details <<extend>> ← Display an error message
Ext p: Operation unsuccess

Delete invalid payment details <<extend>>
Ext p: Operation unsuccess

Log out — <<include>> → End session

User enter the Value
extension points:if user input invalid data type

Input (Kilowatt ,Unit ,Hrs and User Name Address)

<<extend>> → Display invalid data type

Update USER POWER CONSUPTIN DATA

Delete power Consumption Details

View User power Consumption Details

Meater Reader

aDMIN

Log into the system
Ext p: Invalid login credentials
- <<include>> → Validate login credentials
- <<extend>> → Display error message — <<include>> → Redirect to the login page

Add employee — <<include>>
Update details of employees — <<include>>
View profiles — <<include>>
Delete profiles — <<include>>

Authentication
Ext p: If authentication fails
- <<include>> → Repeat authentication process
- <<extend>> → Display error message

Log out — <<include>> → End session

Validate login credentials

Display error message — <<include>>
<<extend>>

Redirect to the login page — <<extend>>

Login
Ext pt: Invalid Login credentials

<<include>>

Delete power failure complaints
Update power failure complaints
View power failure complaints
Add power failure complaints

Manage complaints

Logout

Power Failure Manager

Log into the system
Ext p: Invalid login credentials
- <<include>> → Validate login credentials
- <<extend>> → Display error message — <<include>> → Redirect to the login page

Add customer — <<include>>
Update details of customer — <<include>>
View profiles — <<include>>
Delete profiles — <<include>>

Authentication
Ext p: If authentication fails
- <<include>> → Repeat authentication process
- <<extend>> → Display error message

Log out — <<include>> → End session

Financial Manager

Admin

HR Manager