# Project Title - Electricity bill management system

The aim of our project is to develop a system that simulates the work of Electricity Board like generating monthly electricity bill, keeping record of energy consumed, keeping record of the customer and previous paid/unpaid bills. We will be using Java to design front end and MySQL as back end for developing our project.

There are two types of users available in the system, first is Customer and second one would be Admin. Customer user have limited access right to access the system, while the admin users have full control over the system. We will be using Java Server Pages for frontend designing and logic implementation, Java for implementing business logic, MySQL as a database, JavaScript for form validation and animation.

## Brief description of functionality available:

Following functionality will be available for customer login.

1. New user registration
2. Login for existing user
3. Forgot/change password
4. View/update user profile
5. View bill/payment history
6. View/pay unpaid bill

Following functionality will be available for admin login.

1. Login for admin
2. Forgot/change password
3. View/update profile
4. Manage customer
   1. Adding new customer
   2. Deleting old customer
   3. View/edit/update existing customer details
5. Manage bills
   1. Add bills of customer
   2. View/edit/update bill details
6. Manage payments
   1. Add payments to customer
   2. View/edit/update payment details
7. Generating reports
   1. Customer reports
   2. Bill reports
   3. Payment reports

# Gantt chart:

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# RISK MANAGEMENT

We have identified following ways to help minimize the risk associated with project.

## Avoid the risk

If the risk results in serious consequences for your project, avoiding it is better option. For example, In a project of certain company decides to do same manufacturing technique concurrently for two new deliverables but it creates risk of timing .So, it should be avoided and project is manufactured sequentially for both deliverables.

## Mitigate the risk

Reducing the probability of serious risk is a useful strategy if you are comfortable with your options. For example, you can decide to deploy a simplified and well-understood manufacturing process if a more innovative and costly one will take too long to install.

## Transfer the risk

A common way to control risk is to transfer it to an external vendor. For example, Insurance companies are also used as a means to transfer risk, especially monetary risks that are transferred via warranties and payment bonds.

# Monitoring Risk

Create and update Baselines and Interims plan for the project

We will schedule our group meeting at regular intervals and set up milestones (dates) for the development of the project modules.

Review the progress of your schedule

At regular interval we will track the progress of our project keeping deliverable deadlines in mind.

Understand project priorities

Work on all modules are done sequentially or as per priority i.e., we will first make our project working and then connect it to database.

Analyze modules performance

Each module design will be tested under available guidelines and try to maximize accuracy before switching for the design or coding of another module.