

Problem Statement

GST is Goods and Services Tax which is mandatory to be paid to the Government. It's different for different product categories. It should be recorded in the bill generated for the customers.

The basic capabilities of the software should be .

1. Admin should be able to set various GST rates for various products categories
eg: 5% for Food , 10% for Footwear , 20% for Electronics etc
2. Admin should be able to create various products in various categories.
3. Users should be able to record a sale of a product while system automatically calculates the tax rate for the product based on the product category
4. In a bill there will be multiple products of various categories. So user should be displayed final bill with taxes calculated accordingly to the product
5. Admin should get to see all sales for a day
6. Admin should be able to see total revenue for a day / month and year either through a graph or a summary widget (eg: <https://daisyui.com/components/stat/> or any other components)

There should screens to do following

1. Create product categories
2. Capture GST rates for various product categories
3. Create products in various product categories
4. Create a sale where user chooses the product from a drop down and product category and GST is populated in next cells

Eg:

Product	Category	Rate	Tax
Sandals	Footwear	150	15

Users should be able to add more products like above.

5. On submit on Screen #4 , generate a final bill in table

Important Points

- Screens can be simple HTML or React components .
- Backend can be in Java/Javascript .
- The repository should contain schema definition of Database .
- You can use MySQL/Postgres/NoSQL as the database backend.

- Please upload the code into a github repository and it should be compilable and executable .

Things we are looking for in the order

1. Overall design of the system
2. Cleanliness of the code
3. Readability of the code with lots of comments explaining what the code does.
4. Ability to execute basic functionalities described in the first section.