Barcode Based Fine Paying Java Project

Abstract:

"Barcode based fine paying" is a java project developed in java and MySQL database. This project enables user to pay the fine without standing in the long queue in front of the student section. The user can pay library fine, late fee, lab fine just from this project. User can even see his last five transactions he/she has done. The users have to recharge the card allocated to them. Every user having a card with unique barcode, which is used for recharging the card and paying the fine.

Existing System:

In existing system, users have to stay in the long queue waiting for their turn to pay the fine. Sometimes, the counter gets closed and the user has to pay the fine next day with a increased fine. This system takes a lot of physical efforts and time.

Proposed System:

The proposed barcode based fine paying system provides an easy and efficient way of paying different fines. The user needs to recharge the card the before paying the fine.

Modules:

Admin: Admin needs to get logged in by entering valid credentials. Admin can create new cards, can issue them to the different users, can recharge the cards, can give fine to different users.

Card User: The user have to give his details to the admin during issuing the card. User need to get logged in by entering the valid credentials. User can pay fine and

see his/her last five transactions. Transaction includes recharging the card and paying the fine.

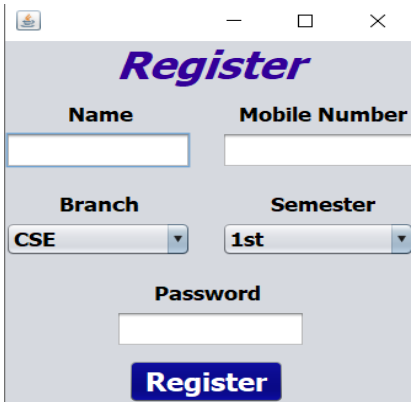
Software Requirements to develop this application below:

NetBeans IDE 8.1, MySQL 3.2.2, Bluetooth Barcode Receiver, Bluetooth Barcode Scanner.

Project Outputs Description:

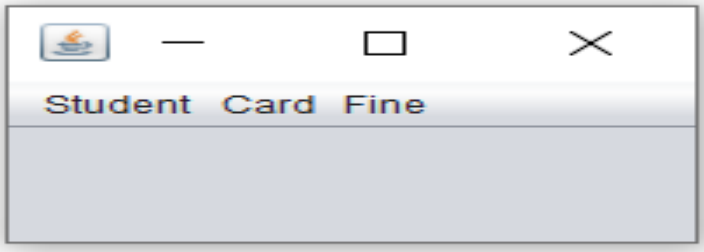
- Home page of barcode based fine paying project

- Registration Page

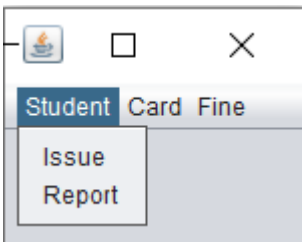


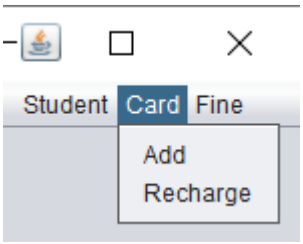
- Admin Login Page

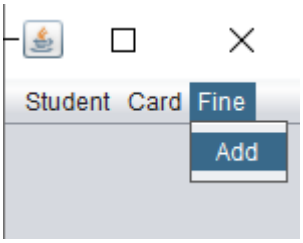
- Admin Home Page



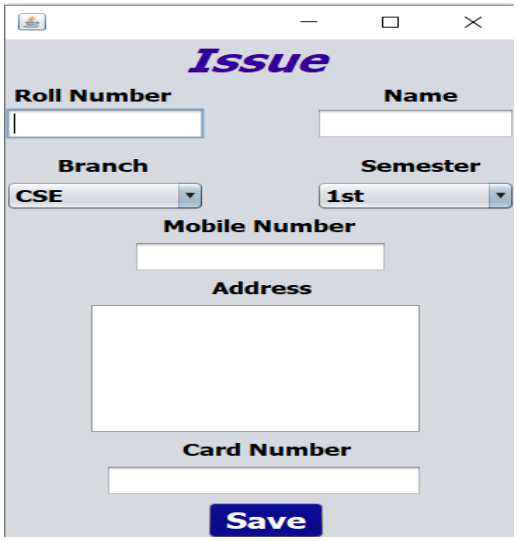
- Different Admin Page Options



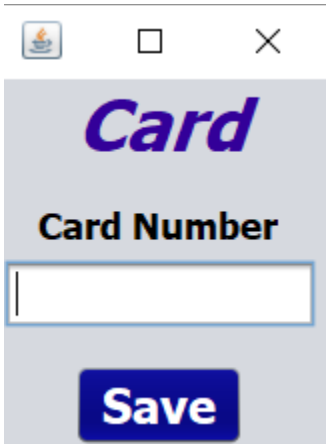




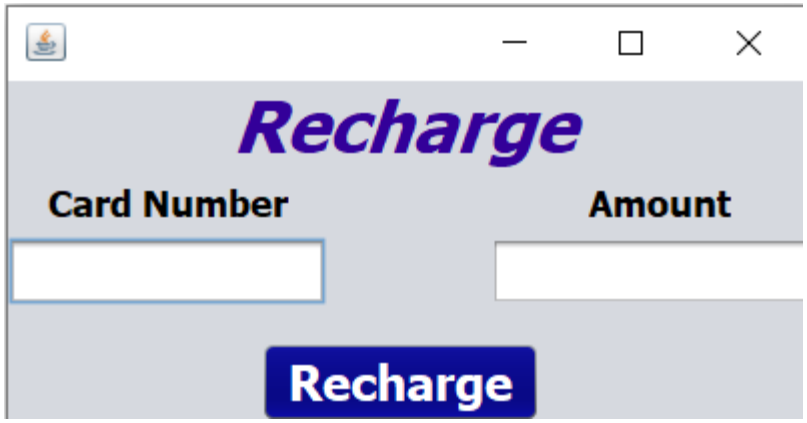
- Issuing Card



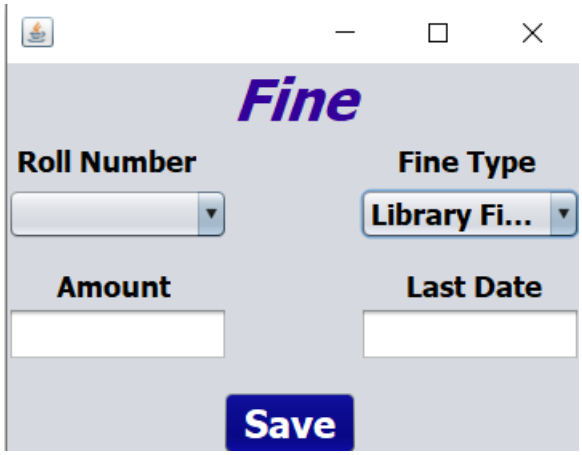
- Adding Card Into Database

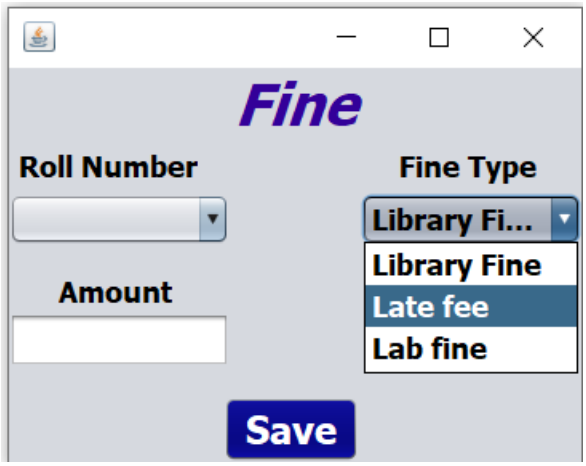


- Recharging Card

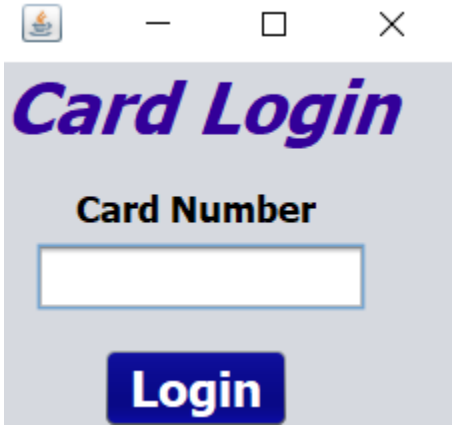
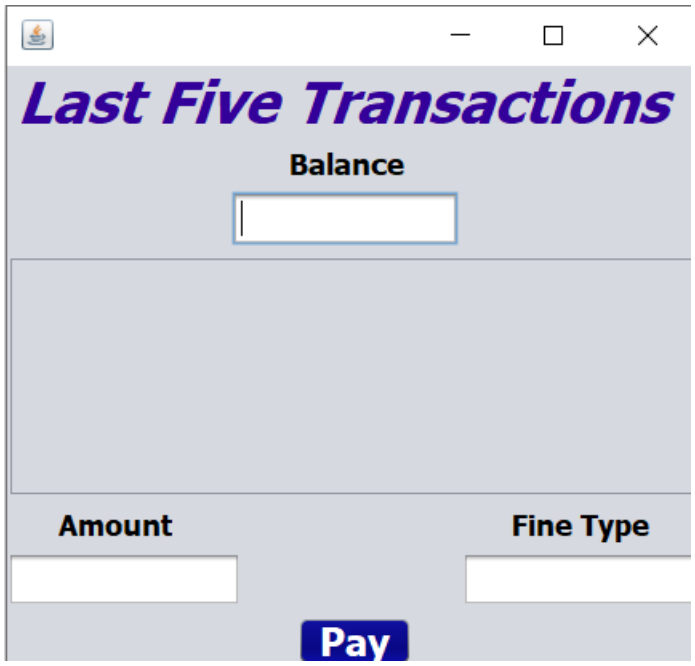


- Adding Fine





- Card User Login Page



- Card User Home Page