

HCL BANKING APPLICATION

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In this application, I used to perform Transaction, Withdraw and Deposit. Initially, I checked the user with user name and password. After verification, if the user is valid user then they directed to home page where they can perform transaction, Withdraw and Deposit. Else they directed to welcome page of this application which contains login button.

I completed this Application in Spring MVC. It contains model, view and control layer. The execution of the application starts from Dispatcher Servlet which is configured in web.xml file.

Dispatcher Servlet:

Dispatcher Servlet is a front-controller which is used to listen the first request from the user. After receiving the request, Dispatcher servlet loads and search for the file where we can done some configurations for the InternalResourceViewResolver.

Handler Mapping:

From Dispatcher, control goes to handler mapping. No need to configure the handler mapper file because by default Spring Framework done some configurations for handler mapping which is called as default handler mapping.

Handler Mapping makes a table with key, value pair. Dispatcher servlet refers all the back controllers and reads all the annotations with GetMapping and RequestMapping. For every url request, it stores the url pattern and corresponding method. Whenever user requested for some url pattern, Handler Mapping search for the url and give corresponding method to Dispatcher servlet.

Controller:

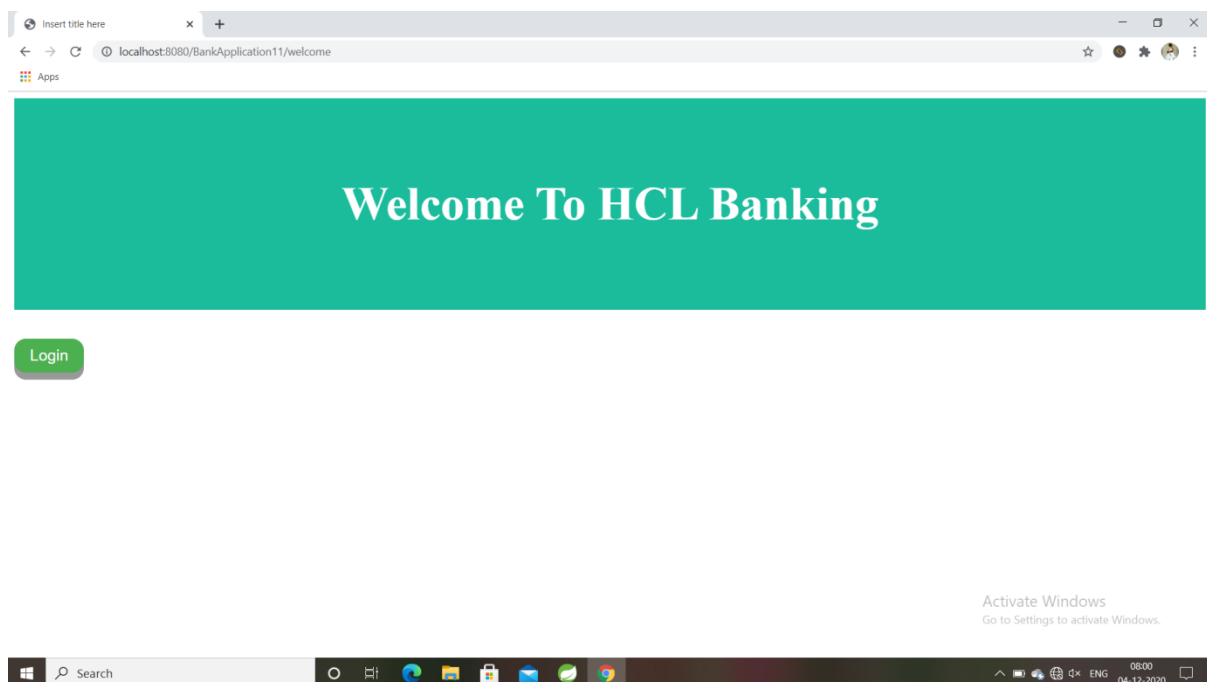
Then the control goes to controller, for controller we done some code with @Controller annotations. It talks to service layer for executing some business logic.

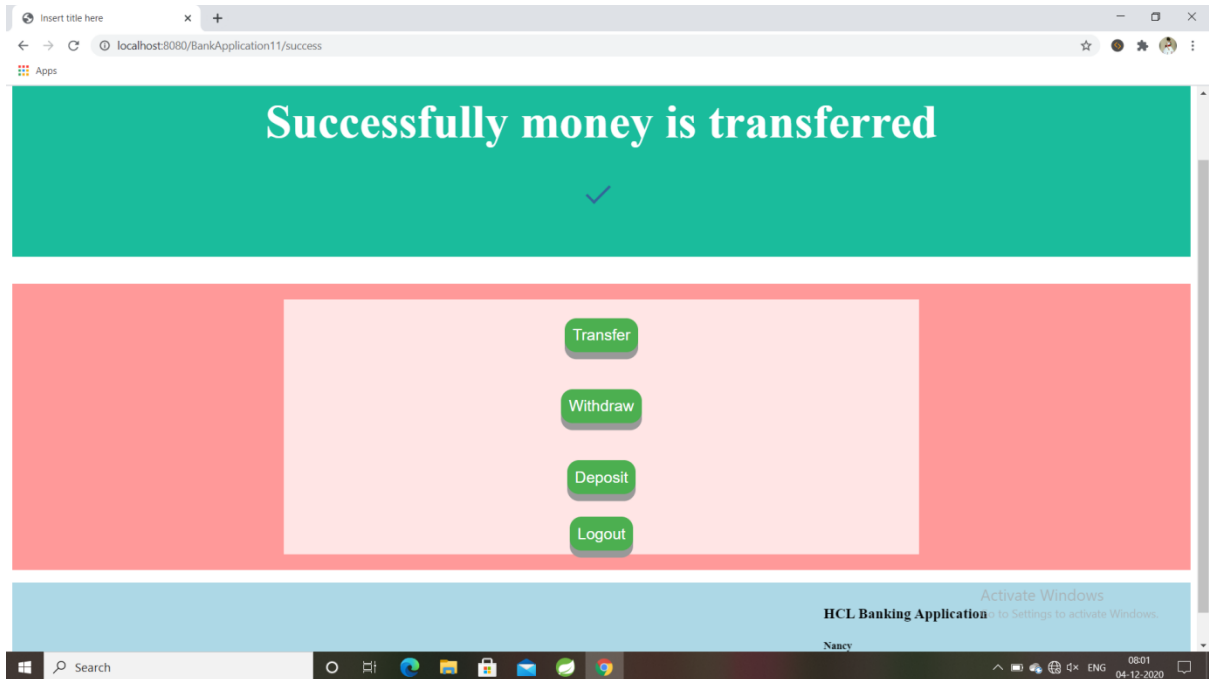
Then the result send to model and view layer. Model is nothing but Result of the processing data and View is a logical name of the view.

Actions:

- 1) **Login:** This is used to login particular person. If login fails, then it redirects to home page.
- 2) **Add Account:** This can be done only by admin. The parameters are id, name, password, Address, phone number, email, Aadhar card, PAN card.
- 3) **Add User:** This is used to create a new account by admin. The parameter used here are id, name, password, Address, phone number, email.
- 4) **Show All Accounts:** Displays all accounts in database.
- 5) **Update Account:** This is used to update some of the details like phone number, email and address.
- 6) **Delete Account:** Used to delete Account.
- 7) **Transfer:** To transfer money from one account to another account.
- 8) **Deposit:** To deposit money to an account using Account id and amount to deposit.
- 9) **Withdraw:** To withdraw money from an account using account id and required amount to withdrawn.
- 10) **Transaction Log:** Shows the transaction details.

Home Page:





LoginPage

