Bank Admin

1. Register by selecting corresponding bank name
2. View all users and authorize
3. View all E commerce web site users and authorize
4. View Credit Card Request and Process with 12 digit,crn,cvv and expiry date,cahs limit,credit limit
5. View all products with rank
6. View all Financial frauds with wrong credit card credentials such as ccv code and expiry date users
7. View all Financial frauds with Random Forest tree based on user -- with wrong credit card credentials such as ccv
8. View all Financial frauds with Random Forest tree based on user -- with expiry date users
9. List all users with majority of financial fraud
10. Show product rank in chart
11. **Show Majority of Financial fraud users in chart**
12. Show Majority Card expiry date of Financial fraud users in chart

**Architecture Diagram**

**E-Commerce Website**

Register and login the User

1. Register like flipcart,ebay,Amazan and Login  
2.Add category and view  
3.Add Products by select category,pname,pprice,pmanufacturer,pdesc,pmodel,add pimage  
4. View all products with ranks  
5. View all purchased products with total bills and purchased user details

6. Find frauds – Financial fraud,card Expiry date card holder in cluster format and show in chart

**Remote User**

1. View your Details, Manage Account  
2. Request credit card from corresponding bank and view credit card details with expiry date  
2. Search for Products by keyword & View specified product and review and purchase it by feeding your card ccv number and transfer cash from bank if no cash in ccard  
3. View all your purchased products with total bill

**NOTE:**  Rank will be given by viewing product details while searching  
 All Transactions must be with date and time (adding, viewing, finding fraud etc)

Fraud Detection : If uses doesn’t use proper cvv,and if he uses card with expiry date

1. **Searching Techniques**

**Content Based Approach** --- entering one keyword belongs to product description and searches based on the keyword in all related products and display the results.