# DOCUMENT MANAGEMENT SYSTEM

OOM MINI-PROJECT
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A JAVA based document management and retrieval system design

#### **AIM**

Develop an application to manage document storage and retrieval.

#### Technology used:

**JAVA** 

JAVA GUI

#### Content

UML diagrams:-Use Case diagram, Class diagram, CRC diagram(s), illustrating the design of your program.

#### **DESIGN CONCEPT**

Use of Object Oriented Methodology concepts to design the system base.

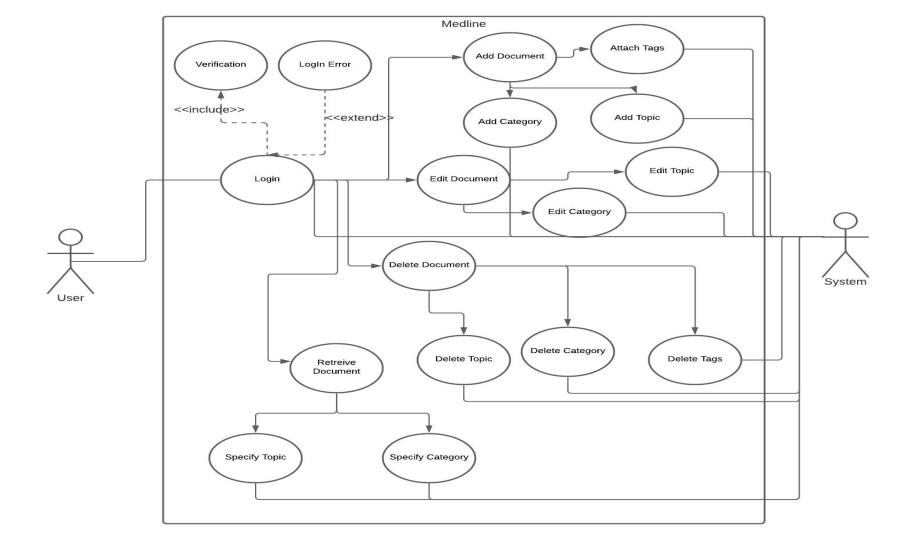
Basic Classes: Category, Document, Topic, Tag, and have the following relationships:

- A. A document belongs to a category such as policy, plan, report, receipt, order, ... etc.
- B. A document belong to a topic such "CS243 Course Files in Fall 2013", "Cluster Graduation Project in 2013", ... etc.
- C. A document can have any number of tags such as: "legal", "medical", "administrative", "technical", "2013", "reporting", ... etc.

Provides an interface for the user to:
A. Adding/editing/deleting instances
belonging to each class,
B. Retrieve document by Category,
Topic, Tag.

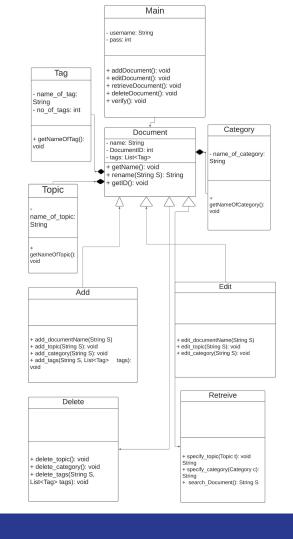
#### **USE CASE DIAGRAM**

A UML use case diagram is the primary form of system/software requirements for a new software program underdeveloped. A key concept of use case modeling is that it helps us design a system from the end user's perspective. It is an effective technique for communicating system behavior in the user's terms by specifying all externally visible system behavior.



#### **CLASS DIAGRAM**

The class diagrams are widely used in the modeling of object oriented systems because they are the only UML diagrams, which can be mapped directly with object-oriented languages. Class diagram shows a collection of classes, interfaces, associations, collaborations, and constraints. It is also known as a structural diagram.

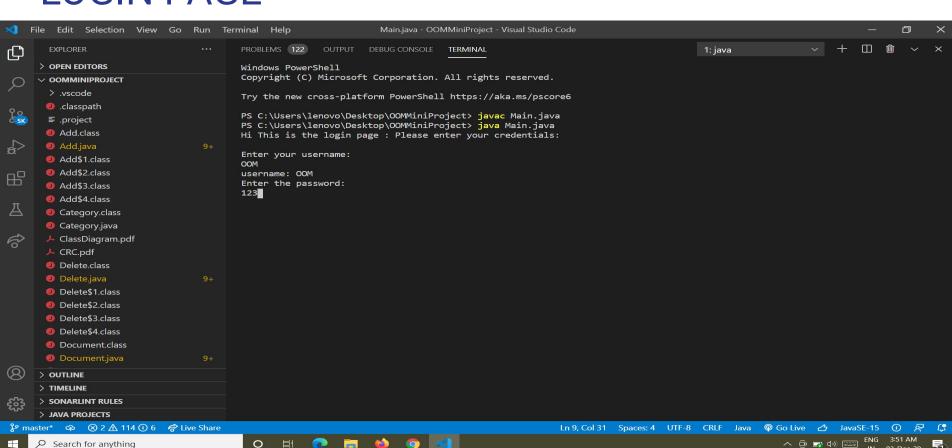


#### **CRC DIAGRAM**

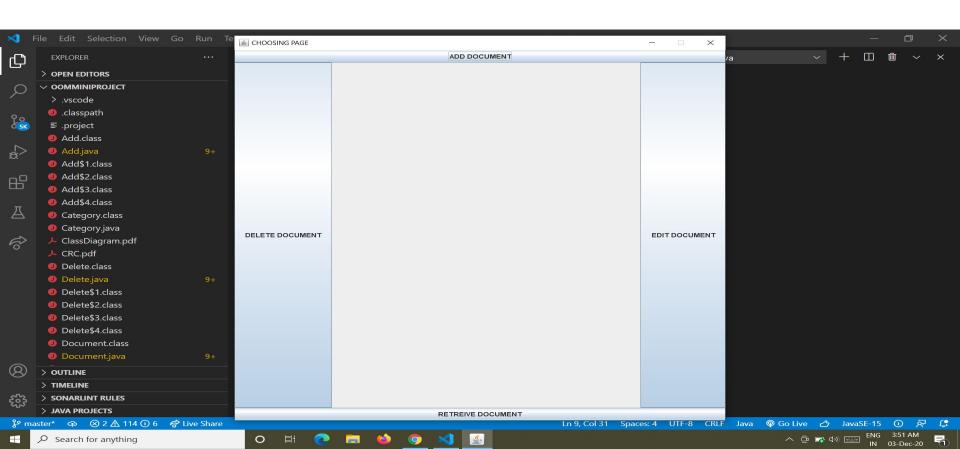
Class-responsibility-collaboration (CRC) cards are a brainstorming tool used in the design of object-oriented software. To create a CRC card, you can begin by writing out a scenario which identifies the major actors and actions which the actors do. Only write out actions and actors specific to that particular scenario. Nouns should turn into the classes of the card, verbs typically turn into the responsibilities of the card, and collaborators are the other cards with which the card will be interacting.

Main		Topic		
Responsible for verification of user (login)	- Document - AddDocument - Edit Document - DeleteDocument - RetreiveDocument	- Responsible for attaching a topic to each document	- Document	
<ul> <li>Responsible for choosing between</li> </ul>	- Red GIVE DOCUMENT	AddDocument		
options of actions on Document (add/edit/delete)		- Responsible for adding topic,category and	- Document - Topic - Category	
Document		tags for each document added	- Tag	
<ul> <li>Responsible for holding data</li> </ul>	holding data - Category		EditDocument	
<ul> <li>Responsible for having tags, topic and category</li> <li>Responsible for actions on documents</li> </ul>	- Topic	- Responsible for updating and changing topic, category and tags for each document	- Document - Topic - Category - Tag	
Tag		DeleteDocument		
<ul> <li>Responsible for attaching tags to a document</li> <li>Responsible for holding record of each tag for</li> </ul>	- Document	- Responsible for deleting all contents of a document	- Document - Topic - Category - Tag	
each document		RetreiveDocument		
Category		- Responsible for	- Document	
<ul> <li>Responsible for defining the category of each Document</li> </ul>	- Document	retrieving a document by specifying it's topic, category and tags	- Topic - Category - Tag	

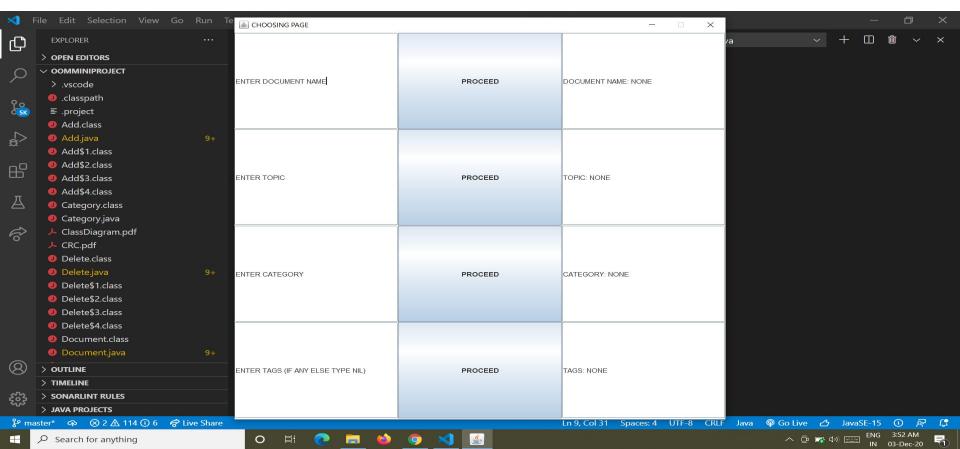
## LOGIN PAGE



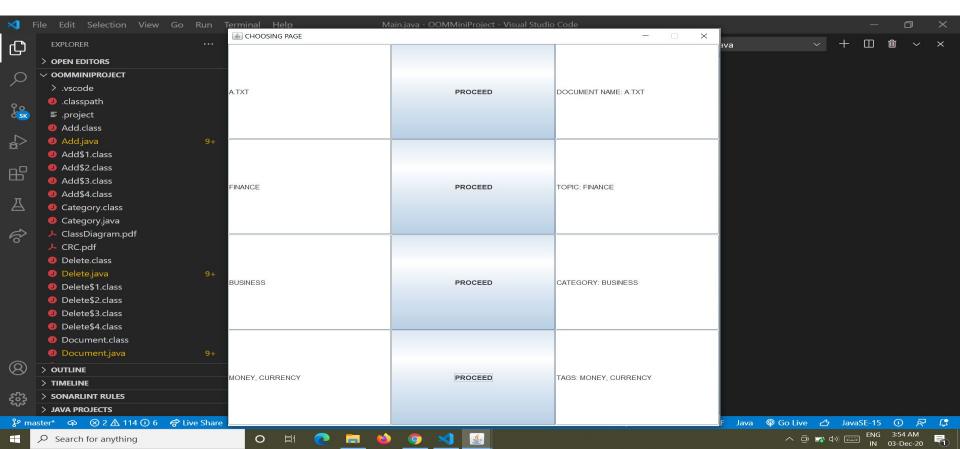
#### MAIN PAGE



#### ADD DOCUMENT



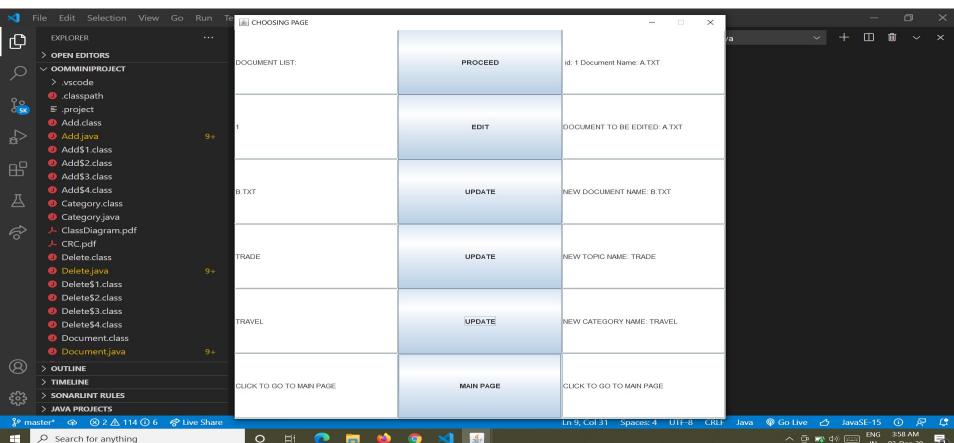
#### ADD DOCUMENT



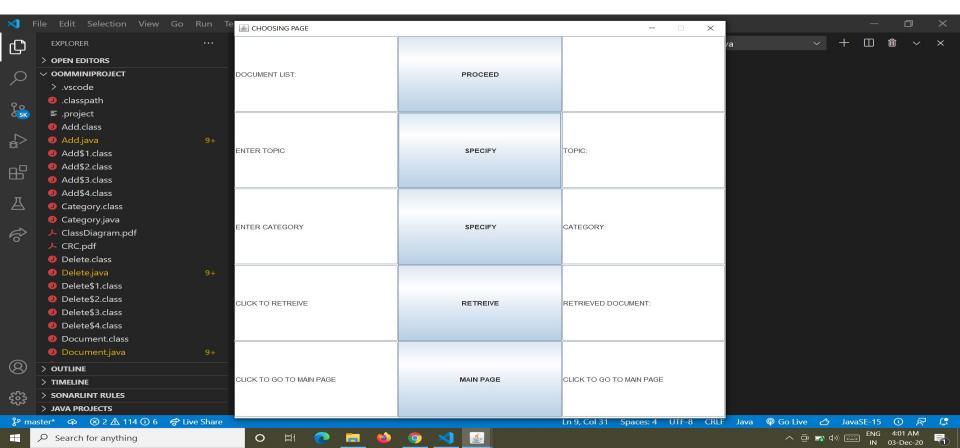
#### EDIT DOCUMENT



#### EDIT DOCUMENT



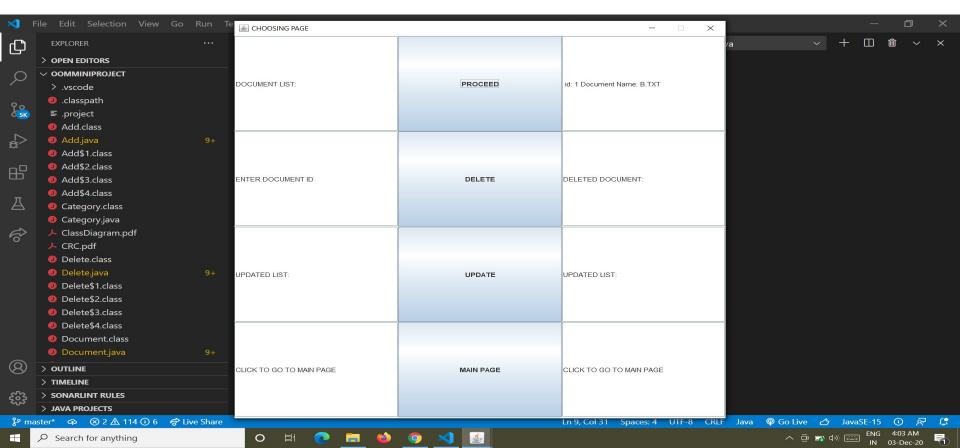
## RETREIVE DOCUMENT



## RETREIVE DOCUMENT



## DELETE DOCUMENT



#### CONTRIBUTION

There were mainly four features which were worked upon and taken up by each one of us.

KUNAL PENDE - ADD DOCUMENT

DEBASHISH DATT - EDIT DOCUMENT

RITU MUMU - RETREIVE DOCUMENT

**RAHUL ROY - DELETE DOCUMENT**