

PROJECT DOCUMENTATION

PRINTING-MANAGEMENT-SYSTEM

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USE CASE TEMPLATE

System Name: Printing System

Primary Actors:

- Employee
- Staff
- clerk
- Delivery Boy

Secondary Actor: Printer

Functionalities performed by the Actors:

• **Clerk:**

- Maintains records
- Collects data
- Provides Information

• **Delivery boy:**

- Delivers records
- Takes data

• **Printer:**

- Receives the file and prints it

- **Generates bills**
- **Stores information**

Entry Condition:

- **Staff requests the clerk to take printouts. The clerk check's whether staff is eligible or not. If staff is eligible then clerk accepts its request (follows include relationship) if not it is rejected (follows extend relationship)**
- **Clerk accepts the request and check whether it is official or personal and gives it to print.**
- **It is printed and passed over to the clerk, meanwhile the details will be stored in file_details.**
- **Clerk checks it again and pass over to the delivery boy and it is delivered to the respective staff member.**
- **Each month the clerk browses through the file_details and sends the cost to the employee.**

Actor Action	System Response
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The clerk asks for a printout	The system displays the details of the printout
Each month the clerk sends the cost to the employee	The employees can access the cost and data from the system
The delivery boy takes the printout and delivers it to the respective staff member.	The staff receives the printout
Staff requests the clerk to take a printout	Clerk receives the required information of staff request
Clerk checks whether the staff is eligible or not to take the printout	The staffs request may get accepted or rejected. If its eligible it goes to the next process

Class Diagram Template:

Override:

- Overriding is a feature that permits a subclass to give a particular execution of a technique that is now given by one of its superclasses or parent classes.
- Some of the methods like cancel(),next(),back() and logout() have been overridden to add a mouse click event.

Inheritance:

- It is the mechanism in java by which one class is permitted to acquire the highlights (fields and techniques) for another class.
- 'Print' is a super class whilst 'Staff',"Clerk" and 'Deliveryboy' are subclasses in the project.In this method, the aforementioned subclasses have inherited from the superclass 'Print' .

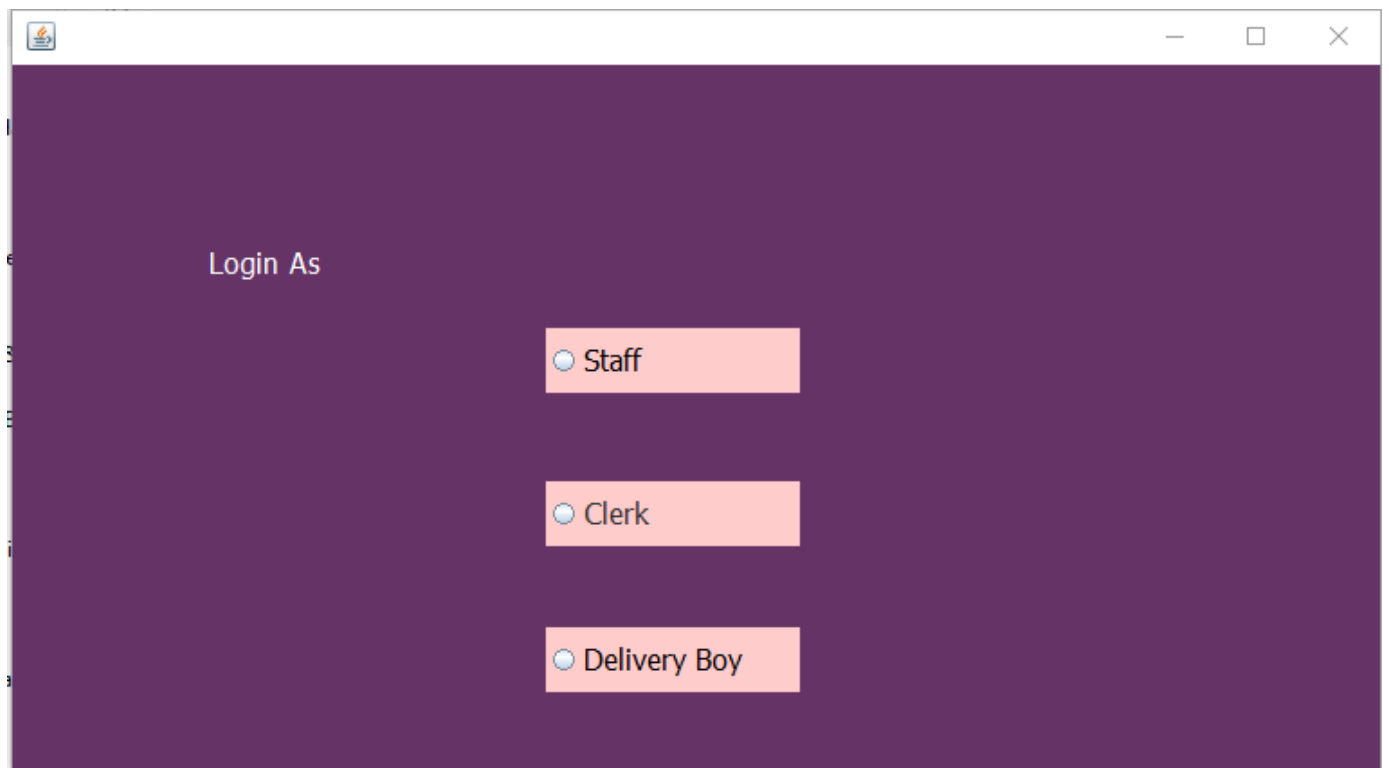
JDBC:


- JDBC is a standard API specification developed in order to move data from frontend to backend. It is a link b/w the mySQL server and java server. We can use JDBC API to handle databases using Java programs and can connect to the database, execute queries and update statements to the database and retrieve the result received from the database.

Composition:

- Many classes exhibit this property. For example, the clientview class object requires a variety of other class objects to initialize such as what kind of requests did client receive and details of files.

ScreenShots Of GUI Development



— □ ×

UserName

abراهيم

Password

Cancel

Login

— □ ×

Details

ID

1233

Name

abraham

Email

ad@gmail.com

File Name

electronics

Paper_Type

A4

Request Type

personal

Back

Save

Logout

Message

Data saved

OK

Load

id	name	email	file_name
1001	alex	ale23@gmail.com	Register
1100	zaina	zyn2@gmail.com	Assignment
1002	sandy	san45@gmail.com	Marks
1009	diana	diana@gmail.com	Workshop
1020	sruthi	sru@23gmail.com	GradeBook
1111	SYRA	sya209@gmail.com	LabSheet
1000	dolly	doll@gmail.com	Disaster
1030	subha	sub@gmail.com	Seminar
1050	sreekumari	sreef@gmail.com	LAB1
2010	sairam	sai@gmail.com	Sheet
2000	syanth	sya@gmail.com	stu_calender
2111	iana	ian@gmail.com	LAB12
2191	cyan	cay@gmail.com	Practice_Lab
2001	vinayak	vyan@gmail.com	labsheet_1
2314	prannav	pran@gmail.com	2020_batch
3000	prabhakaran	s12@gmail.com	worksheet
1122	aksahy	ask@gmail.com	Meditation

Back



Load

id	staff_name	staff_email	file_name	delivered
1001	alex	ale23@gmail.com	Register	Yes
1002	sandy	san45@gmail.com	Marks	No
1111	SYRA	sya209@gmail.com	LabSheet	No
1000	dolly	doll@gmail.com	Disaster	Yes
1050	sreekumari	sreef@gmail.com	LAB1	No
2191	cyan	cay@gmail.com	Practice_Lab	YES
2001	vinayak	vyan@gmail.com	labsheet_1	YES
2314	prannav	pran@gmail.com	2020_batch	No

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Exit