

Generic Store

Team Members

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Internal Guide-
Jalpa Poriya Ma'am

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PROJECT PROFILE

SCOPE OF THE SYSTEM

- This project outlines the software requirement for a Generic Store.
- This system enables staff to maintain computerized records of customers who visit, products that they buy and generate bills for the products sold.
- It also performs quick search on products for salesman as well as places order for the same if product is currently out of stock.

MODULES

- Registration module
- Business domain module
- Products details module
- Order module
- Billing module
- Payment module

USERS

- Admin
- Staff member
- Customer

TOOLS

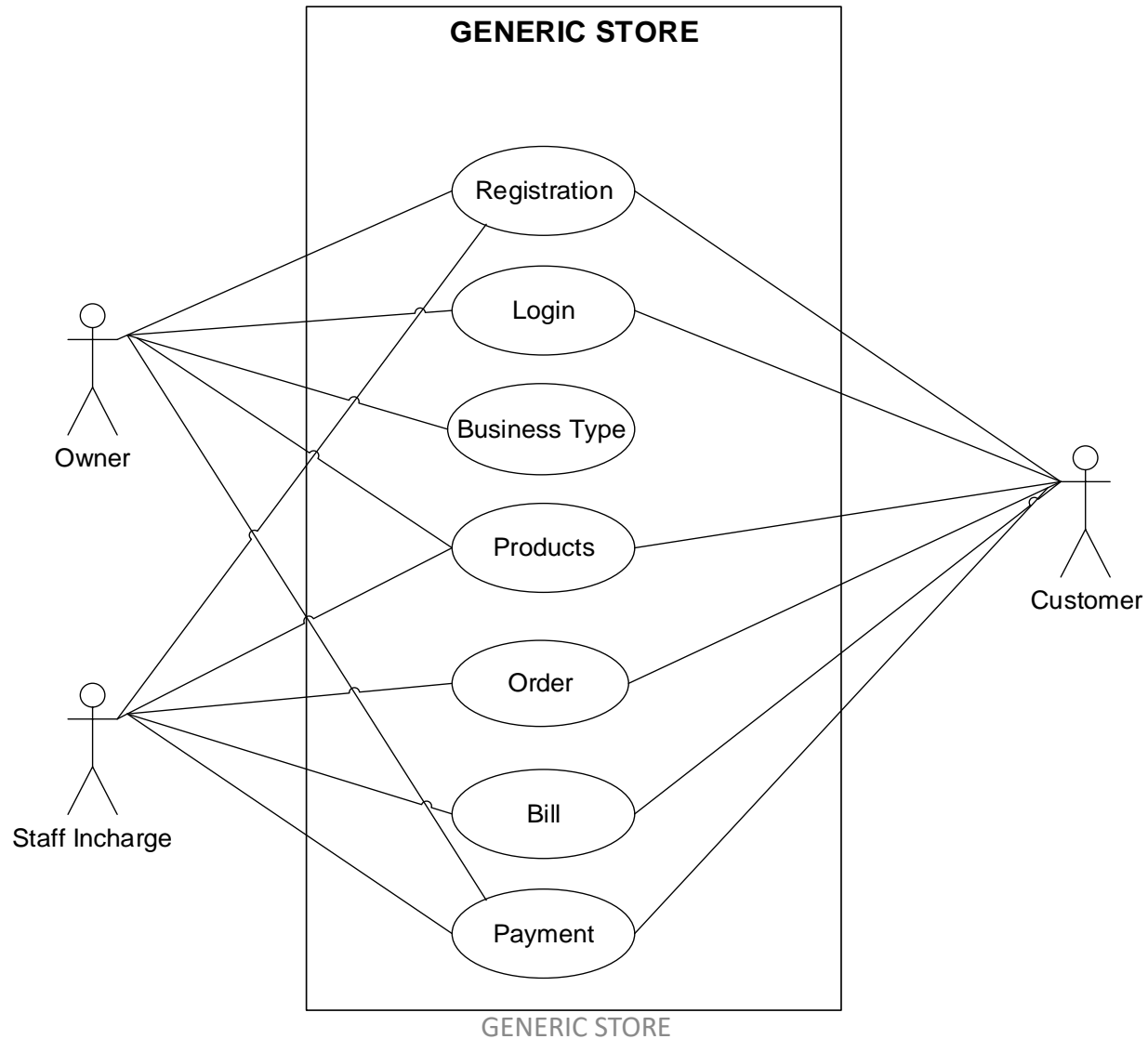
- Netbeans IDE 8.2
- Microsoft Visio
- Oracle XE SQL

TECHNOLOGY

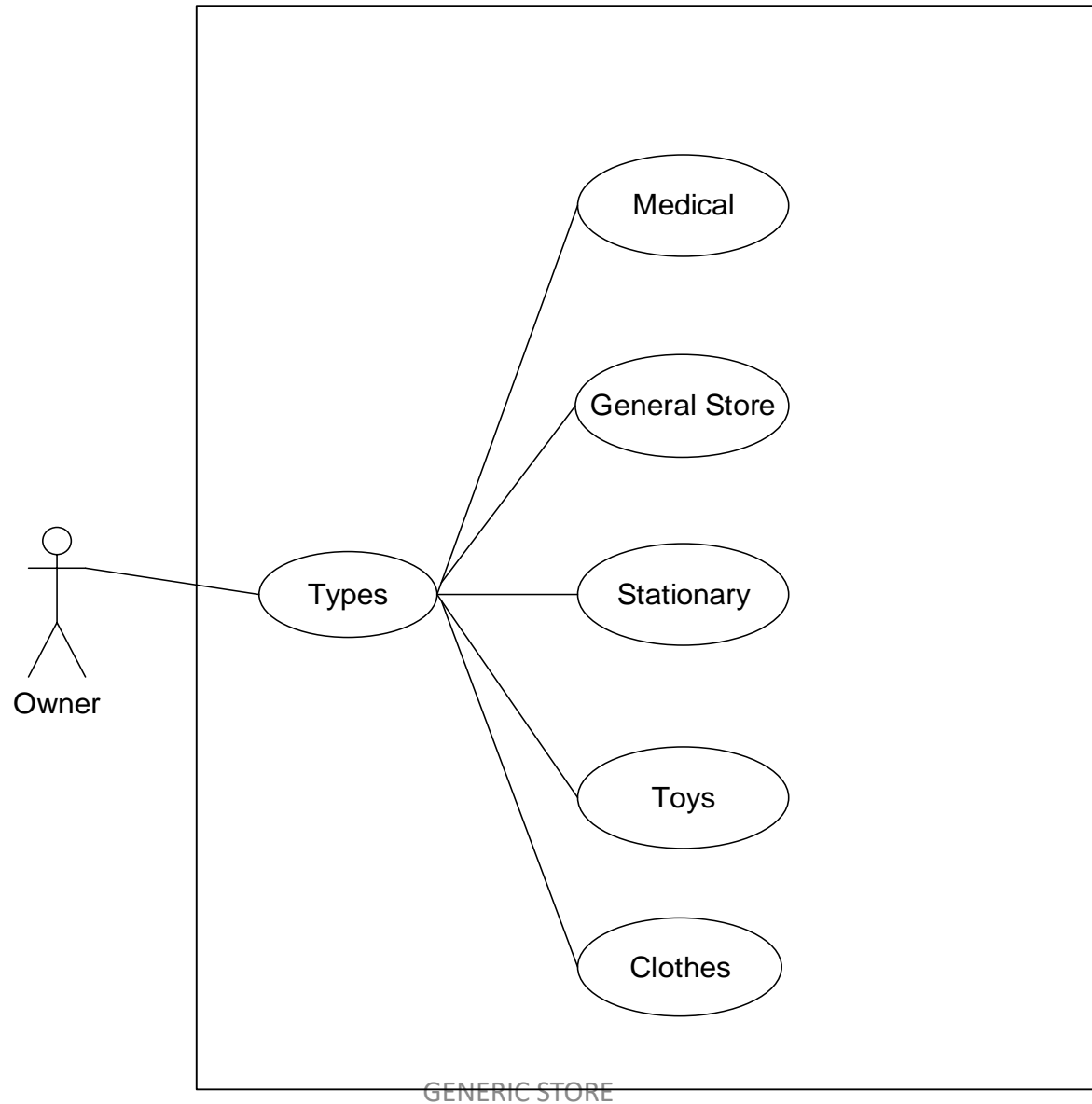
- Java
- Oracle

UML DIAGRAMS

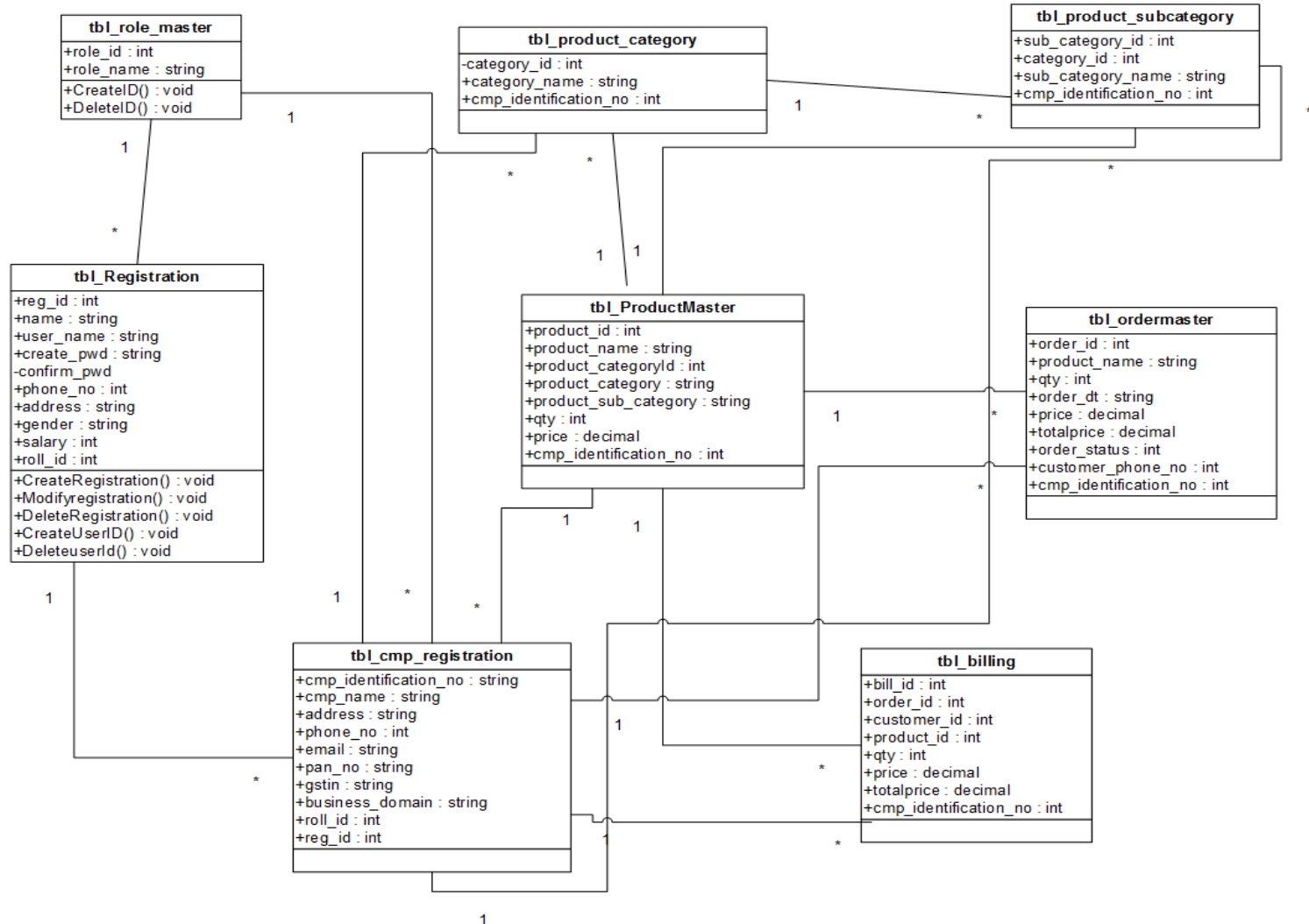
USE CASE



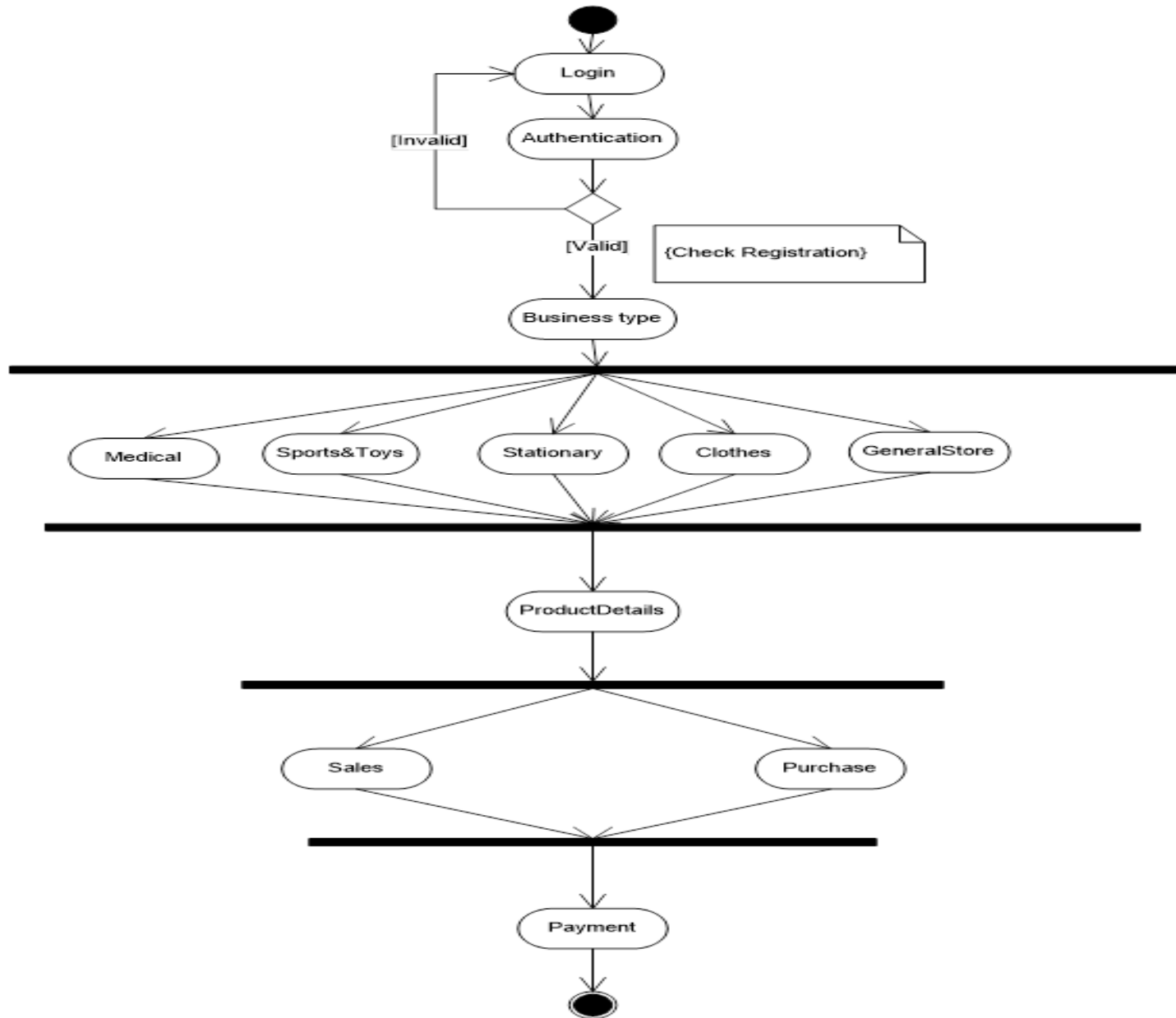
SUB USE CASE



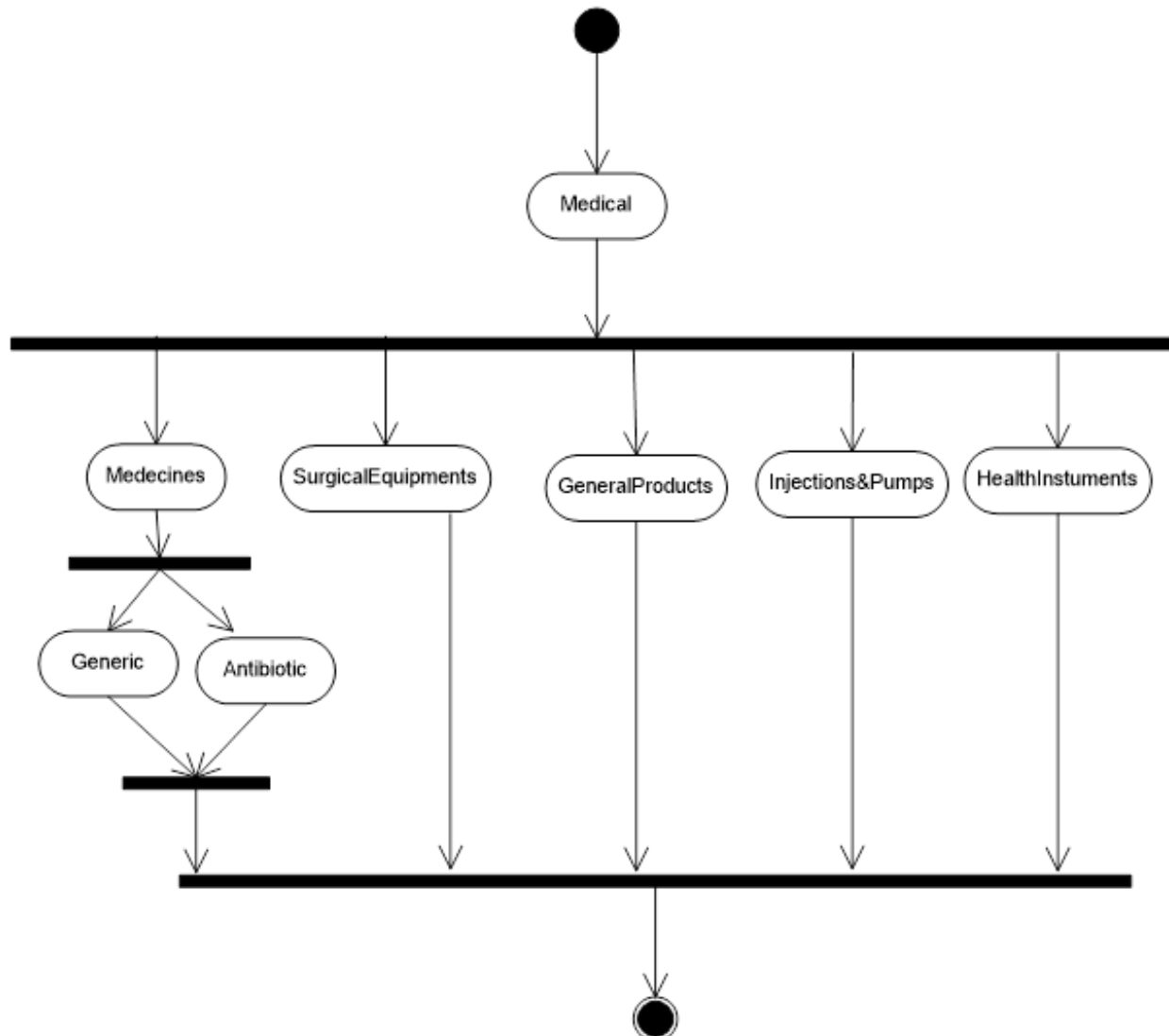
CLASS DIAGRAM



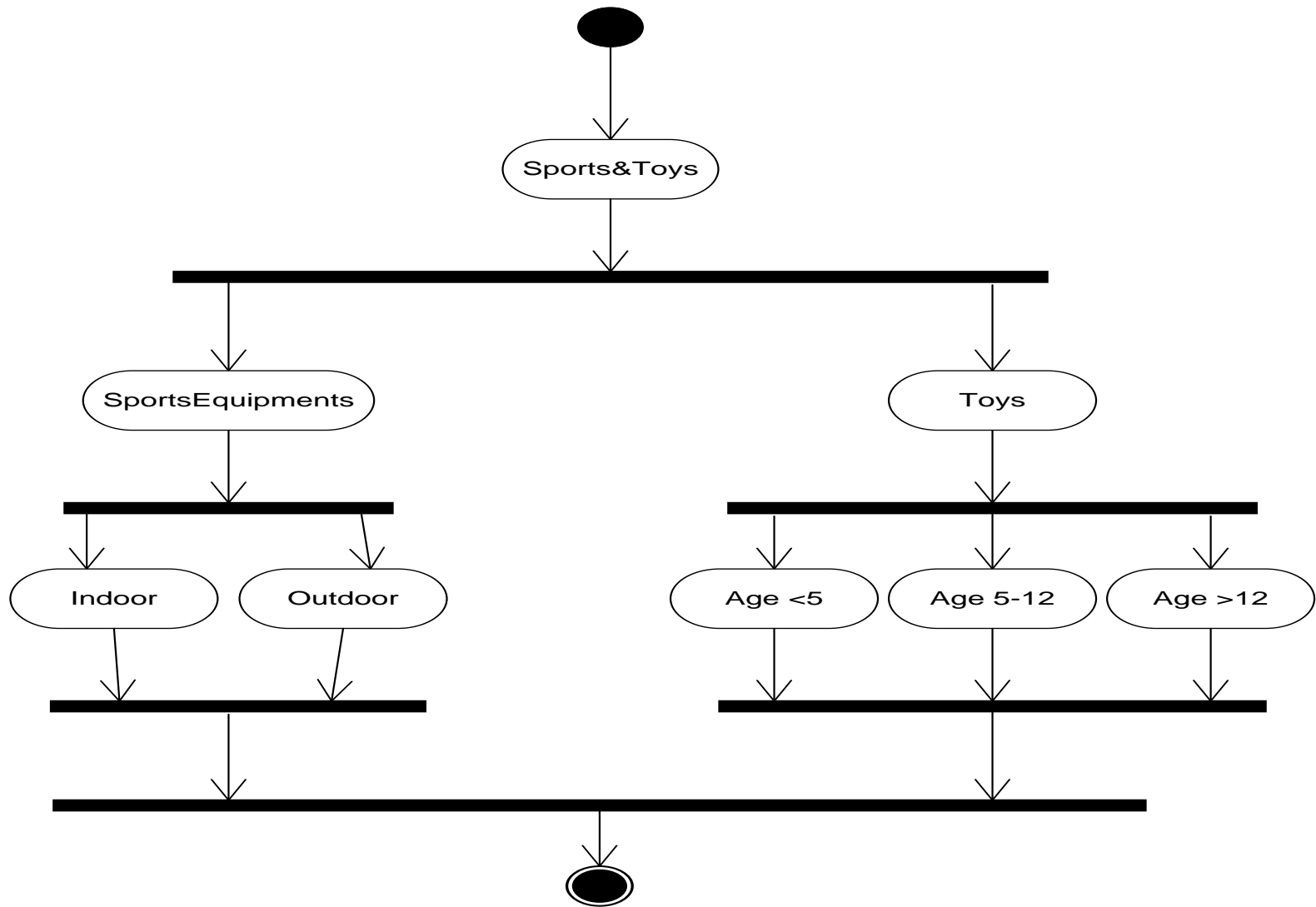
SYSTEM FLOW DIAGRAM



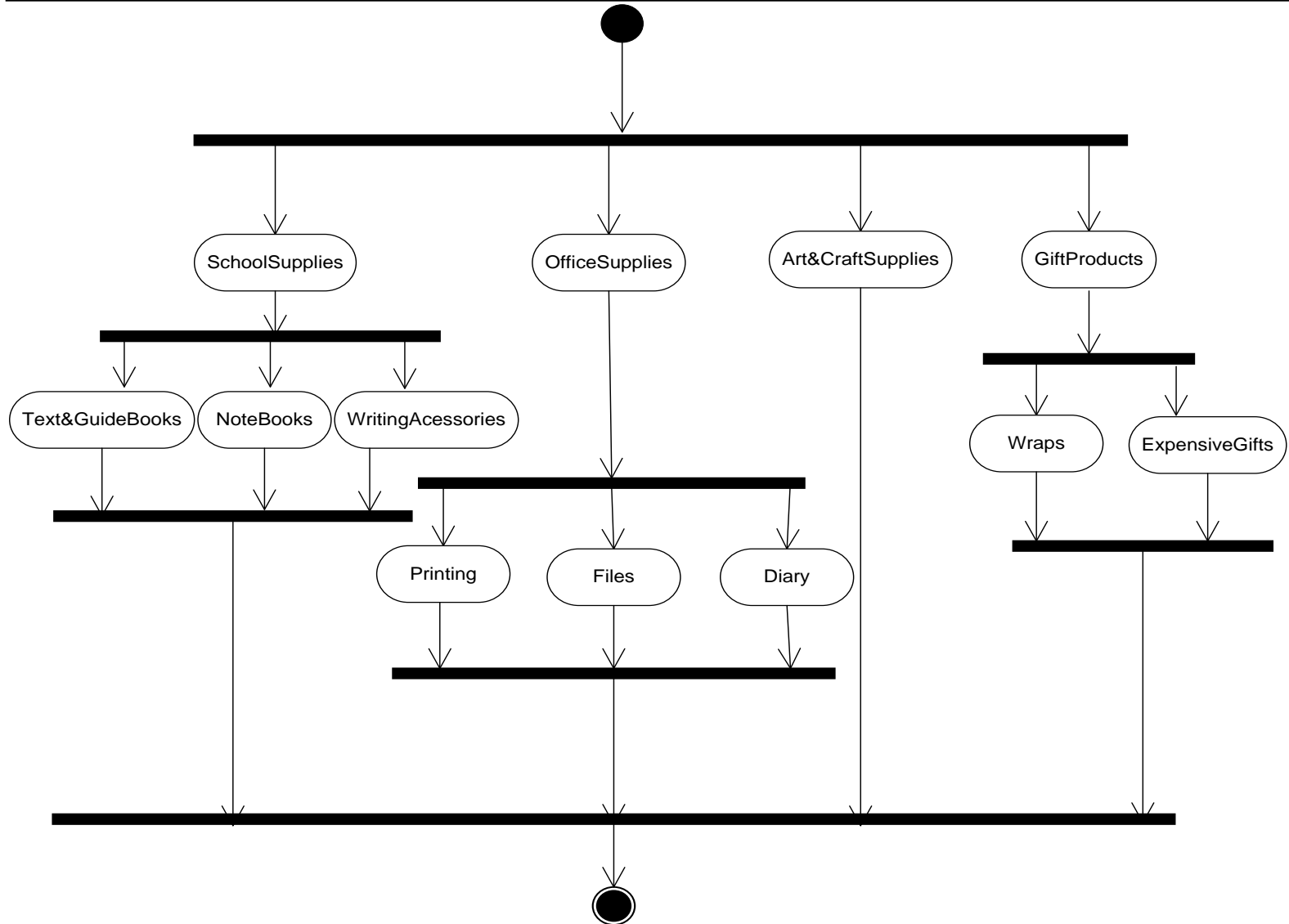
SUB ACTIVITY DIAGRAM OF MEDICAL STORE



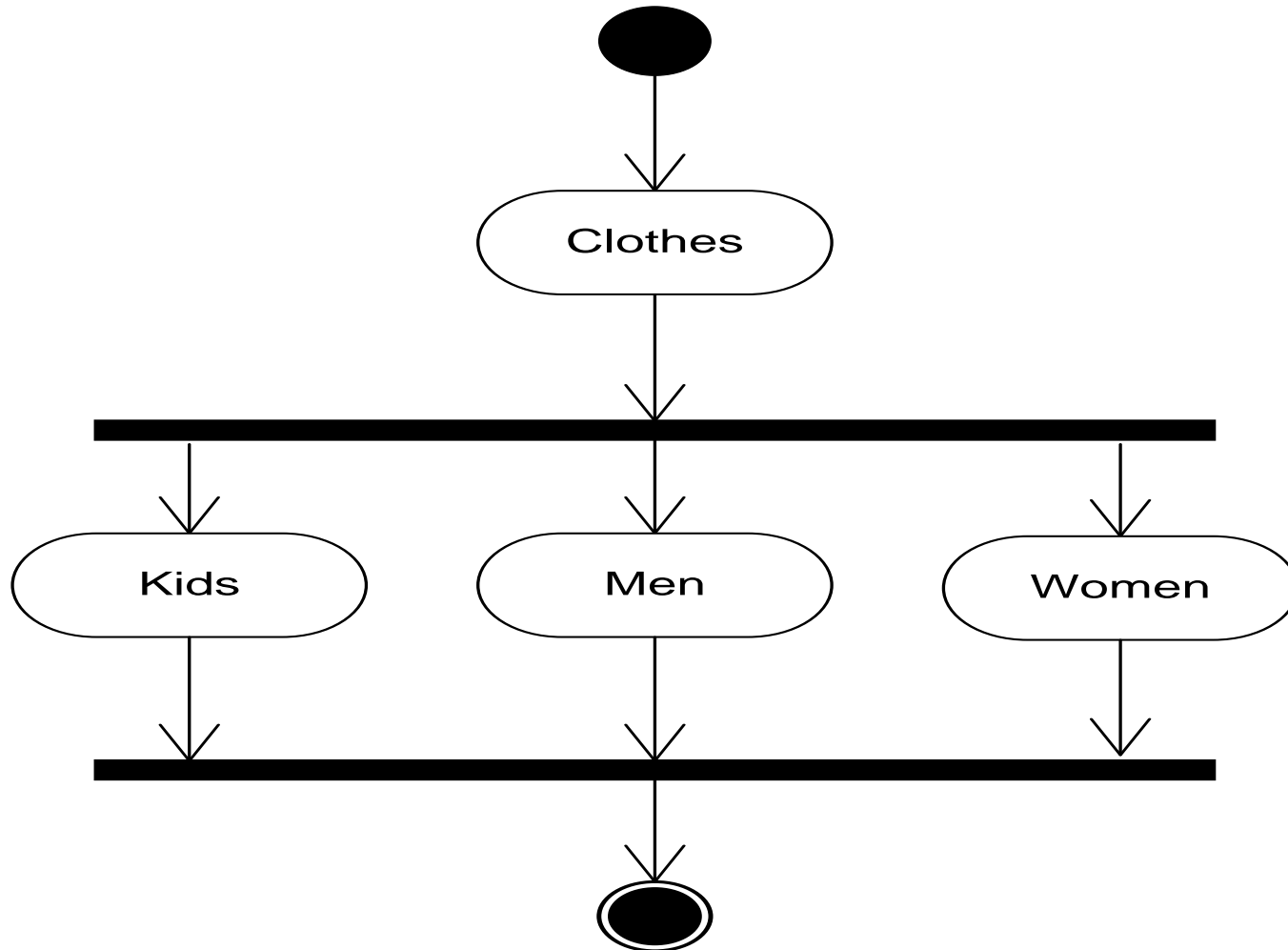
SUB ACTIVITY DIAGRAM OF SPORTS AND TOYS STORE



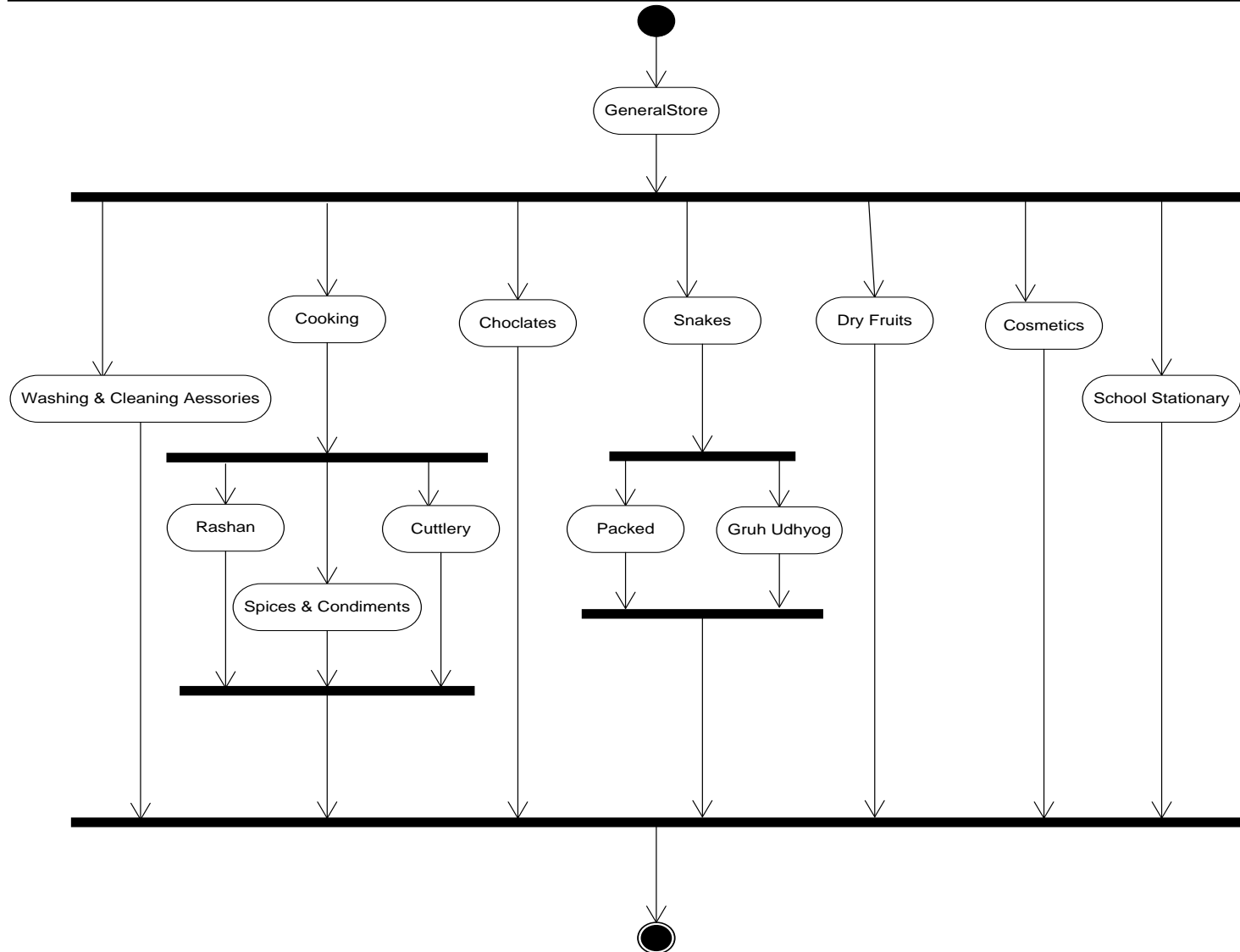
SUB ACTIVITY DIAGRAM OF STATIONARY STORE



SUB ACTIVITY DIAGRAM OF CLOTHES STORE



SUB ACTIVITY DIAGRAM OF GENERAL STORE



DATA DICTIONARY

- Role Master table

Field Name	Datatype	Size	Constraints	Description
role_id	int		Primary key	Store role id.
role_name	varchar	30	Not null	Store role name.

- Registration table

Filed Name	Data-type	Size	Constraints	Description
reg_id	int		Primary Key	Store unique identification .
name	varchar	100	Not null	Store name.
user_name	varchar	100	Unique Key	Store email.
pwd	varchar	100	Not null	Store password.
Phone_no	int		Not null	Store phone no.
gender	char	10	Not null	Store gender.
salary	int			Store salary.
address	varchar	100	Not null	Store address
role_id	int		Foreign Key	Store roleid.
Created user id	Int		Not null	
Modified user id	Int		Not null	
Created date	Date		Not null	
Modified Date	Date		Not null	

- Company Registration table

Field Name	Datatype	Size	Constraints	Description
cmp_id	int		Primary key	Store company id.
cmp_identification_no	varchar	21	Not null	Store CIN.
cmp_name	varchar	100	Not null	Store company name.
address	varchar	100	Not null	Store company address.
phone_no	Int		Not null	Store company phone no.
email	varchar	100	unique	Store company email.
pan_no	varchar	10	Not null	Store company PAN no.
gstn	varchar	16	Not null	Store GST no.
business_domain	varchar	100	Not null	Select business domain.
reg_id	int		Foreign key	Store reg id.

- Product Category table

Field Name	Datatype	Size	Constraints	Description
category_id	int		Primary key	Store category id.
category_name	varchar	100	Not null	Store category name.

- Product Sub-Category table

Field Name	Datatype	Size	Constraints	Description
subcategory_id	Int		Primary key	Store sub-category id.
subcategory_name	Varchar	100	Not null	Store sub-category name.
category_id	Int		Foreign key	Store in which category does given category belong.
cmp_id	Int		Foreign key	Store company id.

- Product table

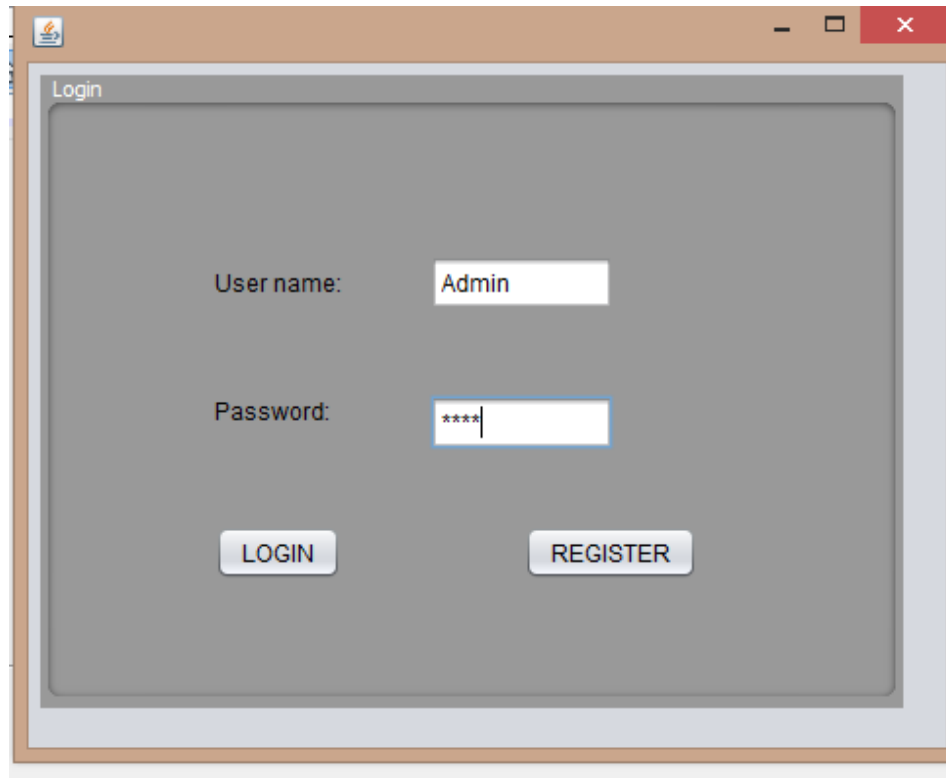
Field Name	Datatype	Size	Constraints	Description
product_id	integer		Primary key	Store product id.
product_name	varchar	100	Not null	Store product name.
product_category_id	integer		Foreign key	Store product category id.
product_subcategory_id	integer		Foreign key	Store product sub – category id.
qty	integer		Not null	Store quantity of product.
price	integer		Not null	Store price of product.
cmp_id	integer		Foreign key	Store company id.

- Order table

Field Name	Datatype	Size	Constraints	Description
order_id	integer		Primary key	Store order id.
reg_id	integer		Foreign key	Store registration id.
product_id	integer		Foreign key	Store product id.
qty	integer		Not null	Store quantity.
order_date	date		Not null	Store order date.
price	integer		Not null	Store price of product .
total_price	integer		Not null	Store total price of order.
order_status	varchar	100		Store order status.
cmp_id	integer		Foreign key	Store company id.

DESIGN

Login

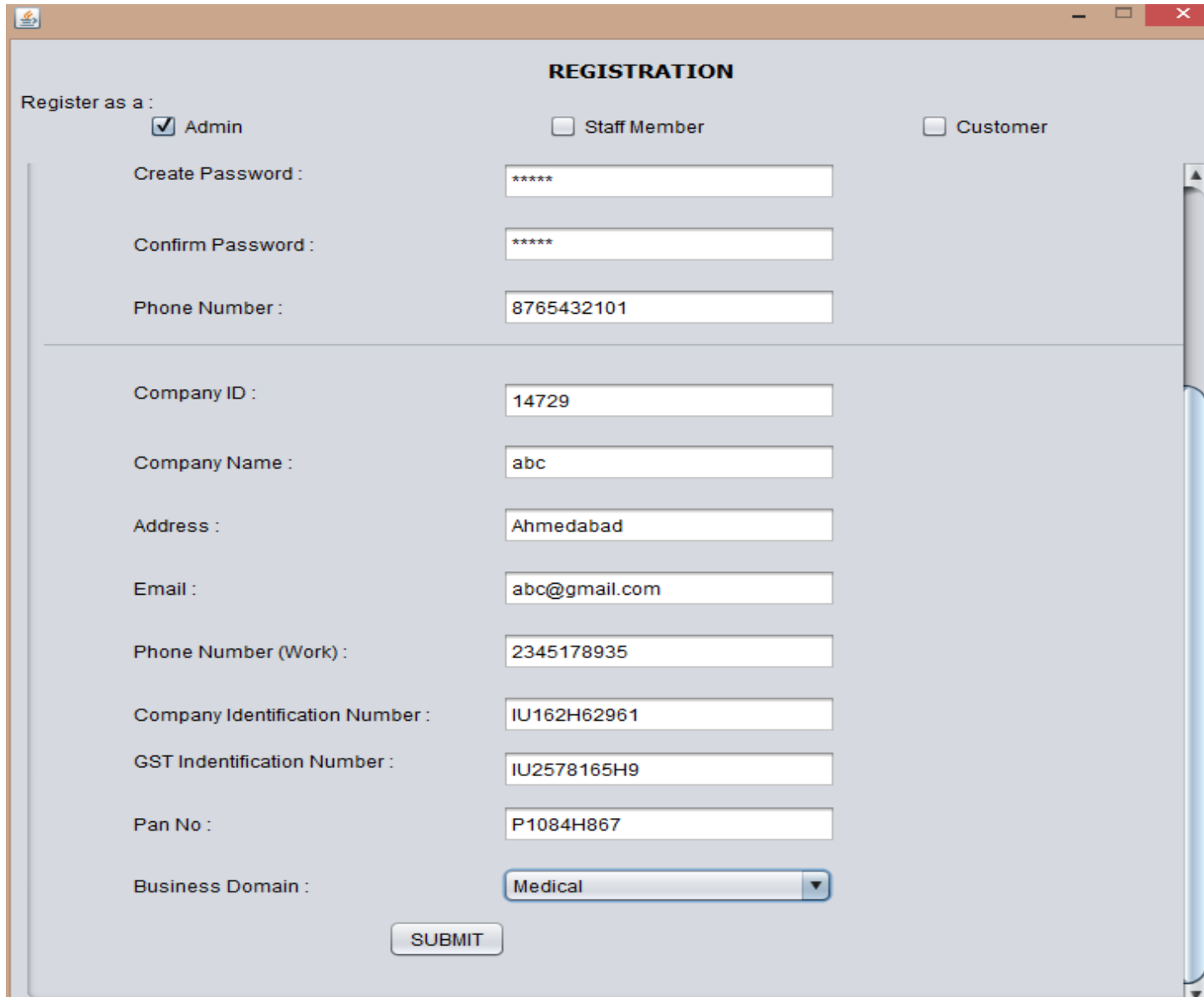


Login

User name:

Password:

Admin Registration



A screenshot of a web application window titled "REGISTRATION". The window has a standard OS-style title bar with minimize, maximize, and close buttons. The form is divided into two main sections. The top section, titled "Register as a :", contains three radio buttons: "Admin" (which is selected), "Staff Member", and "Customer". Below this, there are three input fields: "Create Password :" with masked text "*****", "Confirm Password :" with masked text "*****", and "Phone Number :" with the value "8765432101". A horizontal line separates this from the bottom section, which contains several more input fields: "Company ID :" (14729), "Company Name :" (abc), "Address :" (Ahmedabad), "Email :" (abc@gmail.com), "Phone Number (Work) :" (2345178935), "Company Identification Number :" (IU162H62961), "GST Identification Number :" (IU2578165H9), "Pan No :" (P1084H867), and "Business Domain :" (a dropdown menu showing "Medical"). At the bottom center of the form is a "SUBMIT" button.

REGISTRATION

Register as a :

☒ Admin ☐ Staff Member ☐ Customer

Create Password : *****

Confirm Password : *****

Phone Number : 8765432101

Company ID : 14729

Company Name : abc

Address : Ahmedabad

Email : abc@gmail.com

Phone Number (Work) : 2345178935

Company Identification Number : IU162H62961

GST Identification Number : IU2578165H9

Pan No : P1084H867

Business Domain : Medical

SUBMIT

Admin Validation

REGISTRATION

Register as a : ☒ Admin ☐ Staff Member ☐ Customer

Admin registration

Registration ID :	<input type="text" value="3"/>	
Name :	<input type="text" value="Palak1"/>	name is invalid
User Name :	<input type="text" value="palak@gmail"/>	email is invalid
Create Password :	<input type="password" value="*****"/>	
Confirm Password :	<input type="password" value="***"/>	*password mismatch
Phone Number :	<input type="text" value="87654321"/>	Invalid Phone number
<hr/>		
Company ID :	<input type="text" value="14729"/>	
Company Name :	<input type="text" value="abc"/>	
Address :	<input type="text" value="Ahmedabad"/>	
Email :	<input type="text" value="abc@gmail"/>	email is invalid
Phone Number (Work) :	<input type="text" value="234517893"/>	Invalid Phone number
Company Identification Number :	<input type="text" value="IU162H62961"/>	

Staff Registration

REGISTRATION

StaffMember Registration

Registration Id: 4

Name: Bianca

User name: bianca@gmail.com

Gender : ☐ Male ☒ Female ☐ Other

Create Password: *****

Confirm Password: *****

Salary: 10000

Phone no.: 8752918811

Address: Ahmedabad

SUBMIT Cancel

Staff Validation

REGISTRATION

StaffMember Registration

Registration Id: 4

Name: bianca1 name is invalid

User name: bianca@gmail email is invalid

Gender : ☐ Male ☒ Female ☐ Other

Create Password: *****

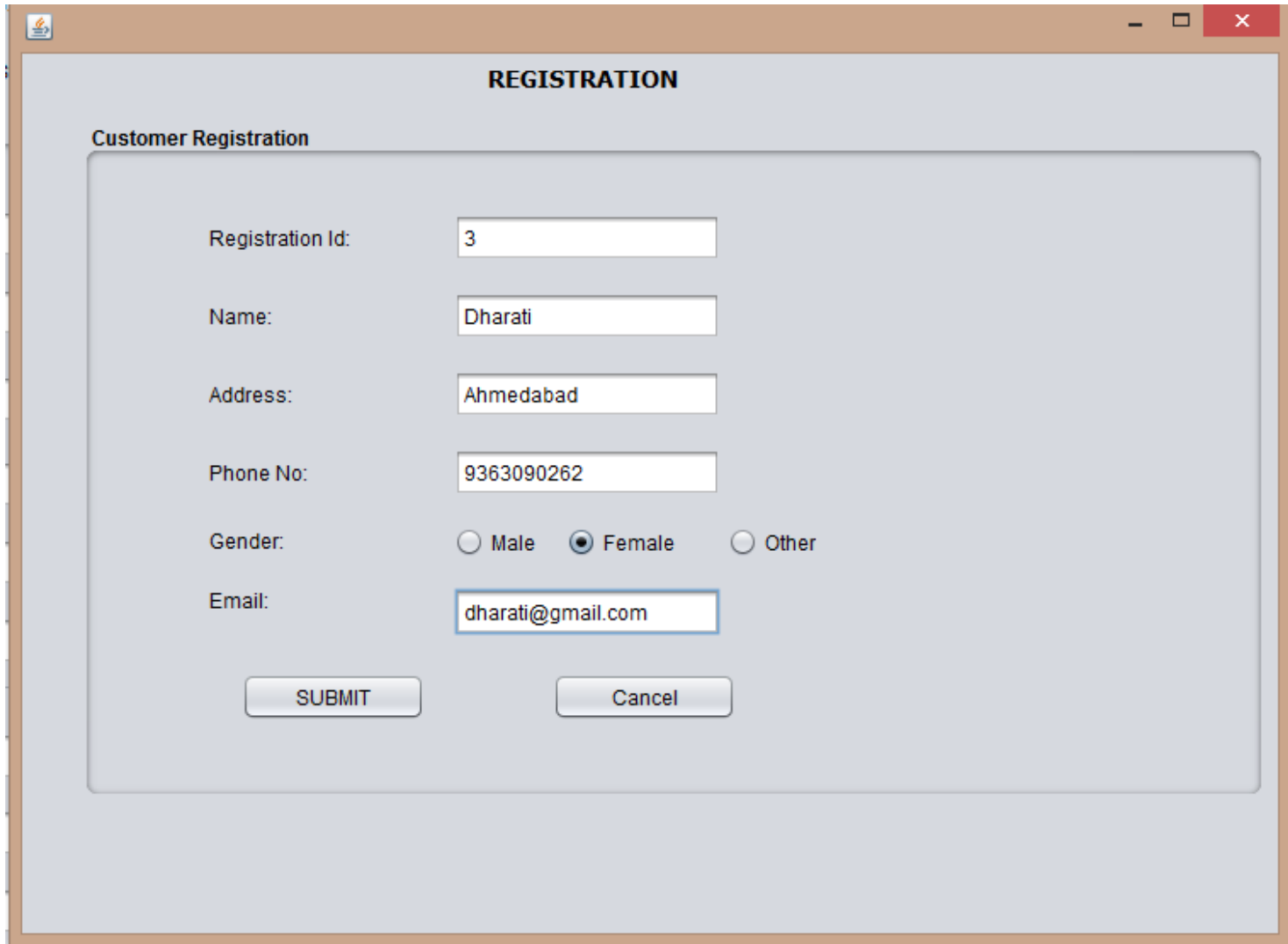
Confirm Password: ***** *password mismatch

Salary: 10000

Phone no.: 879208228 Incorrect Phone number

Address: Ahmedabad

Customer Registration



A screenshot of a software application window titled "REGISTRATION". Inside the window, there is a sub-section titled "Customer Registration". This section contains a form with the following fields and controls:

- Registration Id:** A text input field containing the value "3".
- Name:** A text input field containing the value "Dharati".
- Address:** A text input field containing the value "Ahmedabad".
- Phone No:** A text input field containing the value "9363090262".
- Gender:** Three radio button options: "Male", "Female" (which is selected), and "Other".
- Email:** A text input field containing the value "dharati@gmail.com".

At the bottom of the form, there are two buttons: "SUBMIT" and "Cancel".

Customer Validation

The image shows a software window titled "REGISTRATION" with a sub-header "Customer Registration". The form contains several input fields and radio buttons. The "Registration Id" field contains the value "3". The "Name" field contains "Dharati1" and has a red error message "name is invalid" next to it. The "Address" field contains "Ahmedabad". The "Phone No" field contains "936309026" and has a red error message "Incorrect Phone number" next to it. The "Gender" section has three radio buttons: "Male", "Female" (which is selected), and "Other". The "Email" field contains "dharati@gmail" and has a red error message "email is invalid" next to it. At the bottom of the form are two buttons: "SUBMIT" and "Cancel".

Field	Value	Validation Error
Registration Id	3	
Name	Dharati1	name is invalid
Address	Ahmedabad	
Phone No	936309026	Incorrect Phone number
Gender	Female	
Email	dharati@gmail	email is invalid

FUTURE WORK

- More business domains.
- More precise rack locations.
- User friendly interface.
- Building reports based on sales information.
- Analyze sales data, figure out how well all the items on our shelves sell, and adjust purchasing.
- Maintain a sales history to help adjust our buying decisions for seasonal purchasing trends.
- Improve pricing accuracy by integrating bar-code scanners and credit card authorization ability.

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