

Subject:

Programming Fundamental

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Topic:

Learning Management System.  
Comsats University Islamabad

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Assignment NO  $\Rightarrow$  02 (LAB)

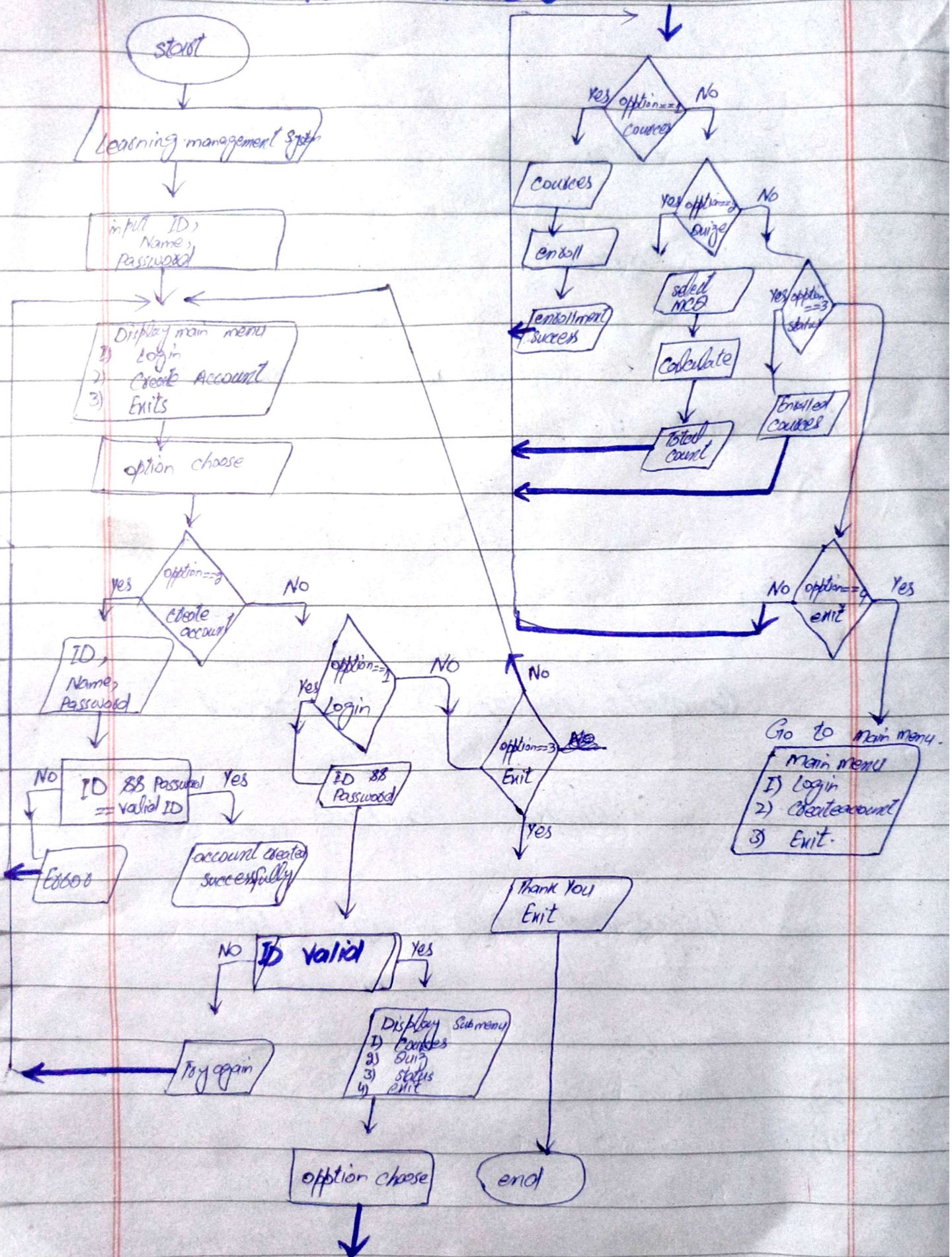
- I) Flowchart
- II) Class Diagram
- III) Functionality



Day: \_\_\_\_\_

# Flow Chart

Date: \_\_\_\_\_





# Functionality Description

## Features

## Function

|                  |  |
|------------------|--|
| Account Creation | 3-digit-ID, Name, Password (letter+digit), no duplicate IDs, check-password. |
| login            | 3-digit-ID, Password (case), only allow when exact password and ID           |
| Course Enroll    | List 5 courses, allows enrollment into multiple show enrolled courses        |
| Quiz             | 5-questions, answer only for 2 students, correct answer count                |
| status           | show user ID, Name, Enrolled courses   |
| Exit             | cleanly Exit with "Thank you"  |

## Class Diagram

### Learning management System

Single main Class.

- Saved ID : int , - Enrolled courses : string
- Saved Name : string , input scanner
- Saved password : string , Pattern : Pattern

we use only a single method class everything

main (String args)

account creation logic (inside main)

login logic (inside main)

course enrollment logic (inside logic menu)

Quiz logic (inside logic menu)

status Display (inside logic menu)