

Lab: 01

22-8-2024

Thursday

## Introduction/Overview of Trello, Discord

Trello → Task Management

Discord → Communication

Toggle → Time Management Tool

→ 2 features per team member without  
Login, Log out, team buildup

\* Report Writing per Lab:

TDD = Test Depend Development

\* Github & Github Wiki Idea Gather. \*\*

Resource folder

↳ images folder → images.

git diff → changes view

git checkout "branch name" → switch branch

git -b "branch name" → branch create

git checkout -b "branch name" → create

& switch branch

pwd → print working directory

ls → list of files

cd "folder name" → in to the folder.

CD D: → Drive & path

esc : Q → terminal run & stop



git add src/SnapGame.cs → stage SnapGame.cs

git commit -m "message" → commit all changes

git push <sup>not need if branch already exists.</sup> -u origin change-text-font → push all changes from local repository to Github.

ctrl + C → Command exit

cd Quickmap

then  
work from here

git pull → changes in the master bring in my local directory

\* Per command create reference,  
hello integrate.

Parameters → course.txt

\label{circuit}

\ref{circuit} show circuit.

Lab 2

individual opinion then final opinion.

Lab 2

ref. sheet of every command of git

git add . → purpose & means.



## → Meeting Process.

↳ platform & Programming Language decide.

Coding Standards,   
 Documentation tool } at least 2. } member Assign.

②

Meeting Agenda should be given before 2/3 days before meeting happened.

Discord → meeting channel.

↳ provide meeting Agenda.

## → Coding Standard Study for Final Exam.

→ Advantage & disadvantage of coding standards.

## → Meeting minutes/Resolution → official record of meetings.

→ task ?

→ deadline & member Assign

→ meeting chairperson.

↳ minutes Recorder

→ meeting Agenda Prepare.

GitHub

↳ Readme file prepare for better understanding

GitHub Wiki → SRS

Research on coding standard

Documentation tool

\* Create two channels for coding standard & Documentation tool.

\* coding standards with examples prepare.



\* Tools familiarity before starting implementation on

\* Agenda Date & meeting minutes time must be done carefully

final version in Wiki  
other ~ in Discord.

Report sample ~ ~

Sep-12 Meeting Agenda Prepare  
~ minutes ~

→ All tasks in trello

→ Project Flow Design. for Project  
feature → feature.

Image Add in Github Wiki

Markdown file in Wiki.

Resource \ Image \

→ meeting 1 conduct.

Project Flow diagram page.

design document

↳ section divide 6

UI → diagram

\* Documentation tool & coding standard

deadline → Sep 12.



Lab: 04

12-9-29  
Thursday

Coding Standard — Snake Case

Documentation tool → JSDoc  
Programming language —

⇒ Architectural Design Pattern

\* Documentation tool research

⇒ JavaScript available DT research

specific Operating Environment handle

trrello boards program connection

Google drive phone documents.

Complement of UML diagrams

state diagram

sequence diagram

state diagram

UML is a tool

DFD

Data Flow Diagram

→ Requests System, internal data & information flow

→ Levels: Level 0, Level 1, Level 2

ER Diagram

Tables with attributes

has objective, provides function/service

Define system?

→ Complement of UML diagrams.

→ use Case diagram

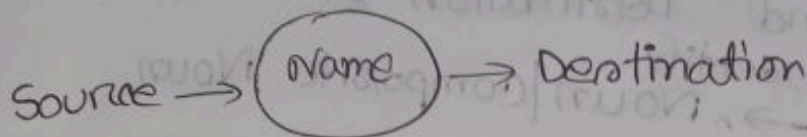
→ class diagram

→ state diagram.

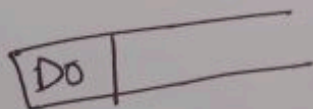
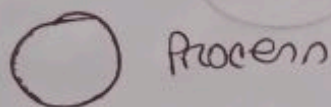
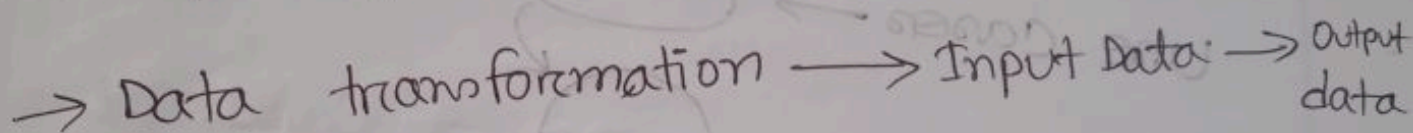
DFD is a tool



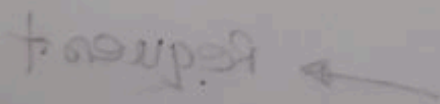
→ Level-0 DFD for banking system.



→ Group Report



file

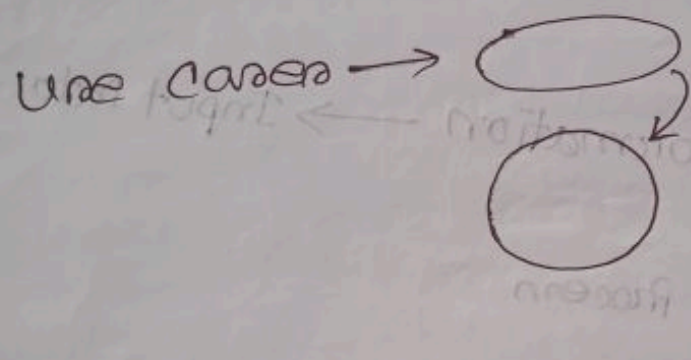


List  
for  
your  
Project

1. Verbs Identification → Process

• Functionalities/Services

2. Source and Destination of Data  
Identify  
→ Noun/Composite Noun



Actors → Source, Destination

User cases → Process

No. of Entity in ER diagram → No. of Data File

→ Request



## ⇒ Level-2 DFD

- Provide label of each connection.
- track where data transmits.
- ~~Date~~ Attributes in a database give in the record file.

Ex:

Debit (Date, Acc. No, branch, amount).

→ Cap. bank branch, branch, balance

Source of data

DFD . system . DFD

Lab: 06

26-9-2024  
Thursday

Contractor

Sum/\*

Apply coding standard.

documentation

function & documentation SS ← Report

↓  
explain.

Applied coding standard. 90% ←

Record name (attributes)

Course offered

holiday Information ← Integrate.

Process based subsystem. DFD



SubSystem Name

1) Course Offer (Course no, title, date, teacher allocation)

2) collect slot Information from Teacher

3)

→ Function Requirement Basis

→ Subsystem Basis

\* Architectural Pattern

\* Meeting minutes & Agenda

\* DFD subsystem, implement

How to ~ linkedlist using java?

Lab:07

3-10-21  
Thursday

## Architectural Design Pattern

Jest  
Mocha  
chai  
Jasmine  
@Unit  
Karma

Unit testing tools.

Cypress

Puppeteer

Selenium WebDriver

TestCafe

WebDriverIO

Protractor

Nightwatch.js

SuperTest

Karma

Playwright

Integration  
testing  
tools.



Lab:08

29-10-24  
Thursday

## Product Backlog

Task Title members.
------------------------

## Sprint-1 Backlog

Task-A Team member due date: Estimated time:
---

Every feature  
time management  
taggl.

task start = Toggl-start

Sprint-1 planning meeting outcome in wiki,  
trello, discord.

Sprint-1  
-2 > discord trello.

Daily-Scrum in starting of day & in  
wiki update.

\* Test case write for unit testing.

test case + SS } → Report.

- 1) Product Backlog
- 2) Sprint-1 Process read
- 3) Sprint-1 Backlog
- 4) Wiki Review.

GitLab

test case + 22  
→ report