



Maybank

• • •

Internship at Maybank

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Diploma In Computer Science,
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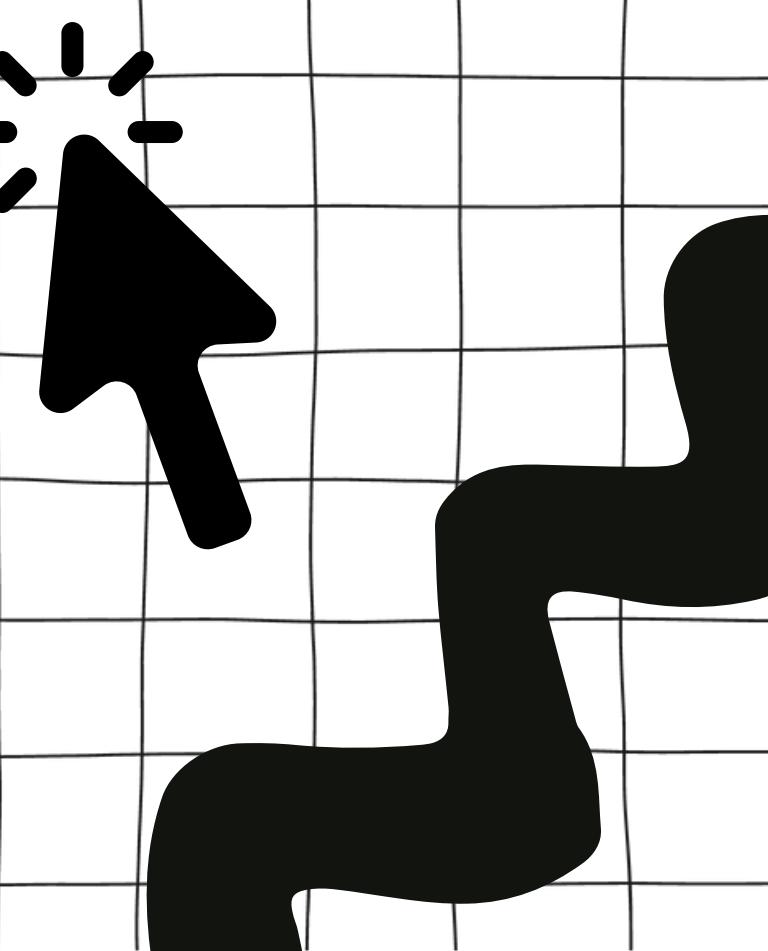
Assignment

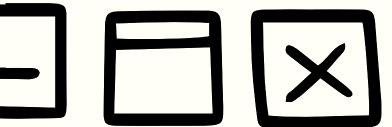
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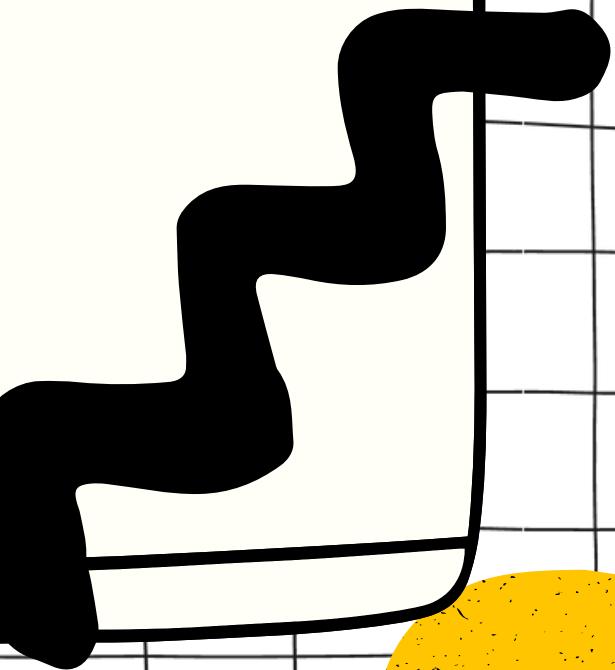
Conclusion





Company background

Maybank (Malayan Banking Berhad). founded in 1960, is the largest provider of financial services in Malaysia and has major operation throughout Sout East Asia. The bank provides services such as insurance, asset management, venture capital, and internet banking.



Learning Schedule

Week 1 (Introduction)

- Technical & functional training

Week 2 - week 4 (Engineering Section)

- Dynamo FrameWork & Multi-lingual framework assigment

Week 5 -Week 6 (Innovation Section)

- Open Source Exposure

Week 7 - Week 8 (Singapore Section)

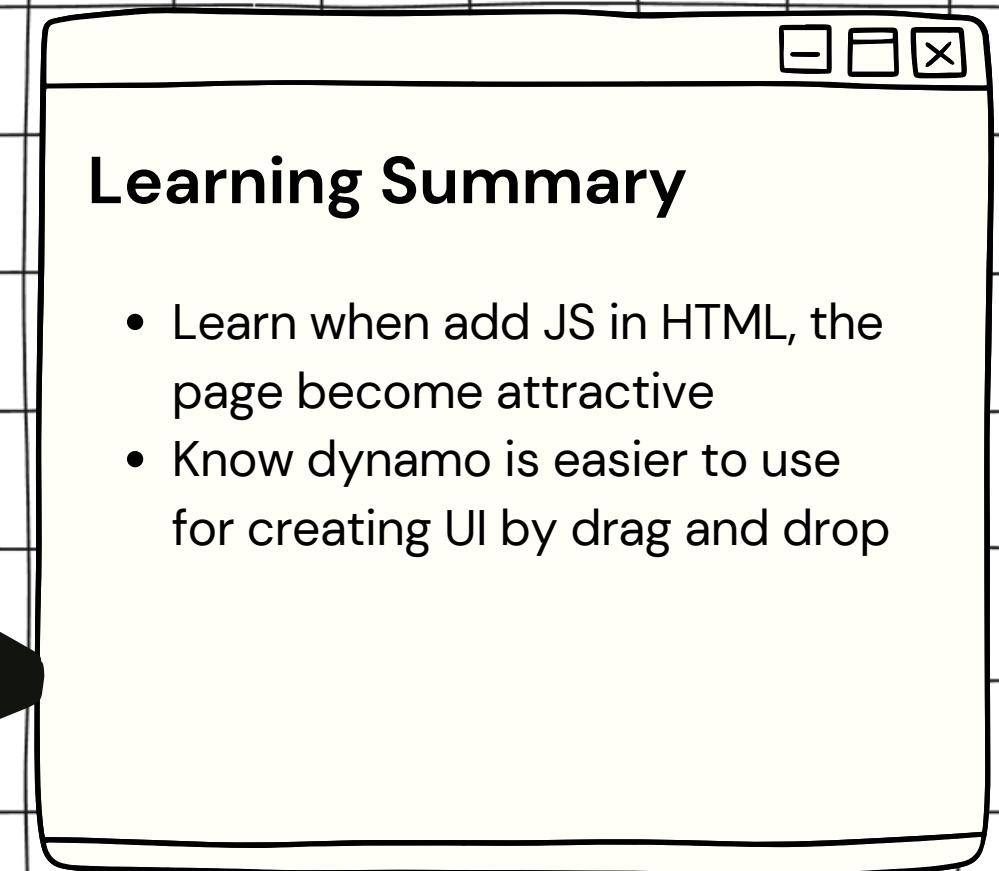
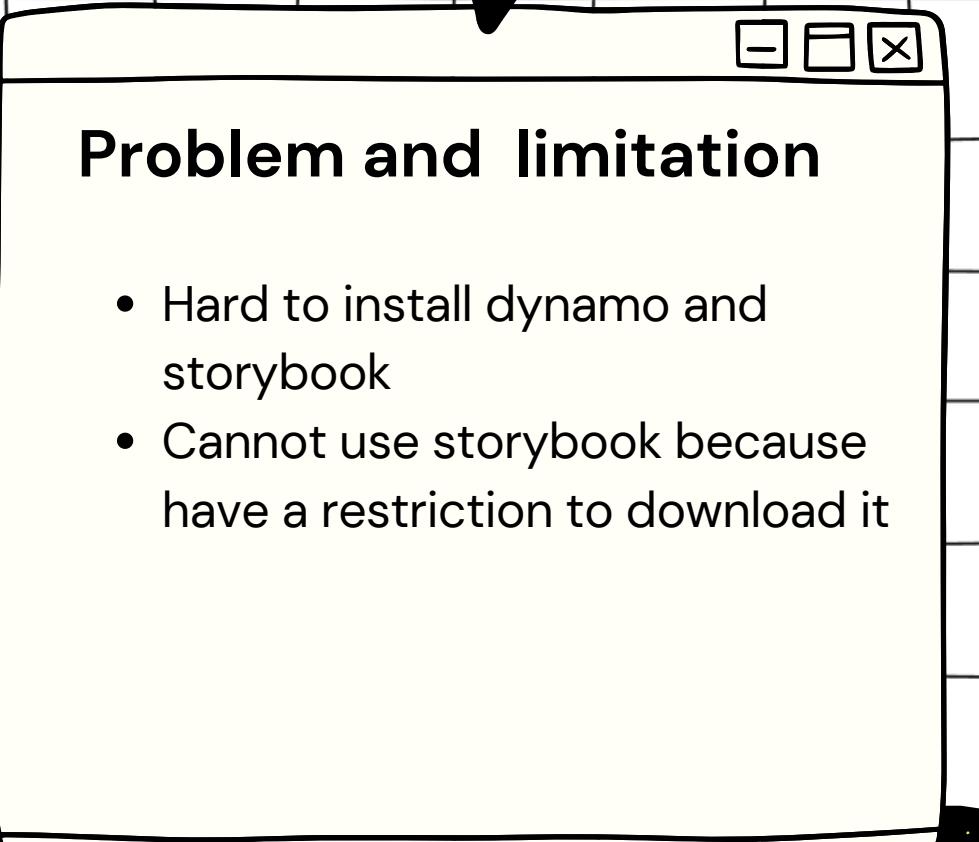
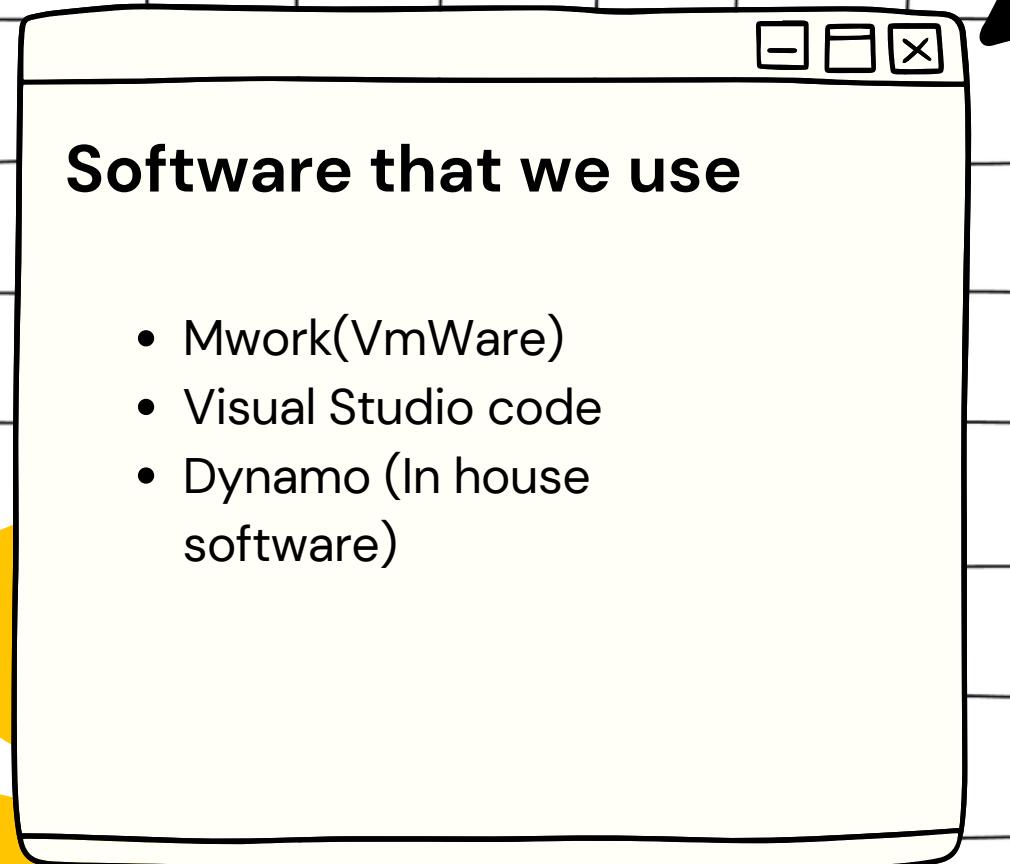
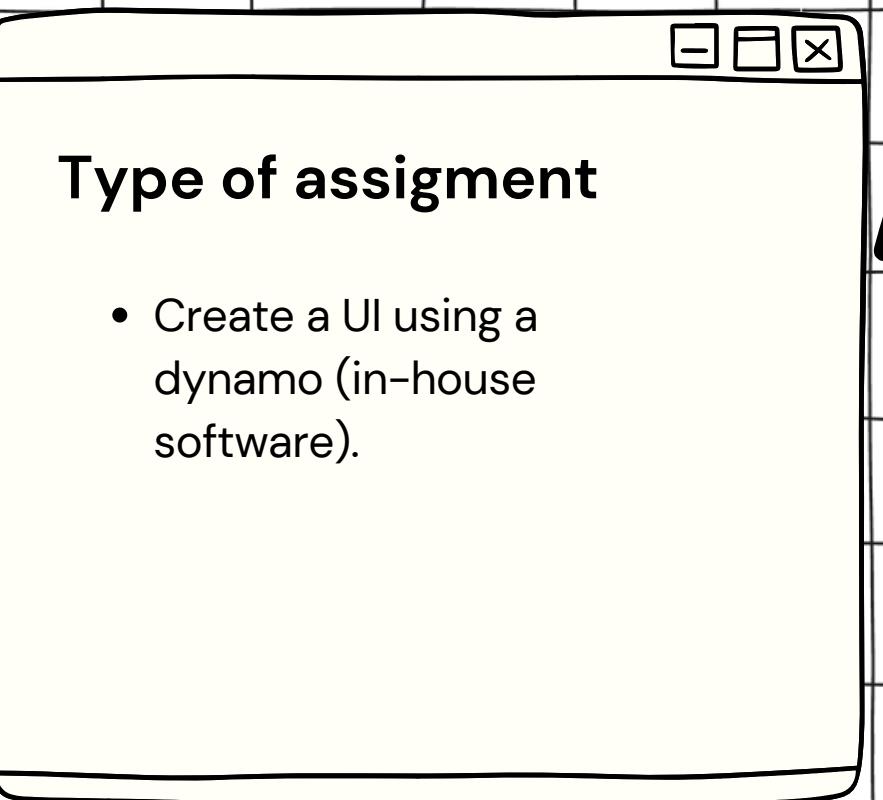
- SG MAE Back-end and agile delivery model

Week 9 - Week 10 (Cloud Section)

- Basic AWS Practitioner trainning program

Week 11 - Week 12 (Regional Delivery Section)

- MBI Microservice framework and Docker setup for deployment



Dynamo Picture

The screenshot shows the Dynamo landing page interface. At the top, there's a header with the text "dynamo, joy of engineering" and a button labeled "lets build new one now :)". Below the header is a search bar. The main area is titled "Blocks (pages)" and contains two columns: "Form Name" and "API URL". The "Form Name" column lists five items: "Testing31", "ASB-Screen-MAS-60", "UserName Field", "ASBMobilePOC", and "CASA_211_GANESH". To the right of each item are small icons for edit and delete.

Dynamo landing page

The screenshot shows the Dynamo editing page. On the left, there's a JSON editor window with the title "customHeader" and the following JSON code:

```
customHeader
{
  "path": "root-0",
  "id": "_0aAv#eBg",
  "type": "customHeader",
  "name": "aqpU4kZBWT",
  "label": "Step 3 of 5",
  "value": "",
  "visible": true,
  "items": [],
  "parent": [
    "root",
    "0"
  ],
  "defaultValue": "",
  "header": "",
  "tooltip": "",
  "description": "",
  "placeholder": "",
  "valueType": "",
  "suffix": "",
  "prefix": "",
  "inputType": "",
  "disabled": false,
  "watch": false
}
```

To the right of the JSON editor is a sidebar menu with the following items:

- :: Textbox
- :: Label
- :: Fieldset
- :: Local Page Wizard
- :: Button
- :: Dropdown
- :: Checkbox
- :: Radiobox
- :: Collapse Master
- :: Collapse Panel
- Templates
- :: simple full page 100
- :: Main Page 80 single

Dynamo editing page

Ui that create using dynamo

← Confirmation ×

MAE
xxxx xxxx xxxx
RM 1.00

Date **Today**
Receipt reference **Singgit**
Bank Name **MAYBANK**
Payment details **Optional**

Note:
Money withdrawn from your insured deposit(s) is no longer protected by PIDM if transferred to non PIDM members and products

Personal Saver Account-i
xxxx xxxx xxxx

Transfer Now

← Transfer ×

0130 2369 6834
MAE
MAYBANK

Enter recipient reference
Alif

continue

← Apply ×

SaveUp Account Application

For Singaporean /Singapore PR
Apply an account using Myinfo.
Myinfo may be temporarily unavailable during these timings.

Retrieve Myinfo with singpass

For Maybank MY customer
(Malaysia Banking Berhad(MBB Malaysia)/Maybank Islamic Berhad(MIB Malaysia) with M2U Malaysia access)
Login to Maybank2U Malaysia account for a faster application

Apply Via M2U Malaysia

← Step 2 of 5 ×

SaveUp account Application
Please fill in your employment details

Employment Type **Salaried**

Enter Company name
Alif Sdn Bhd

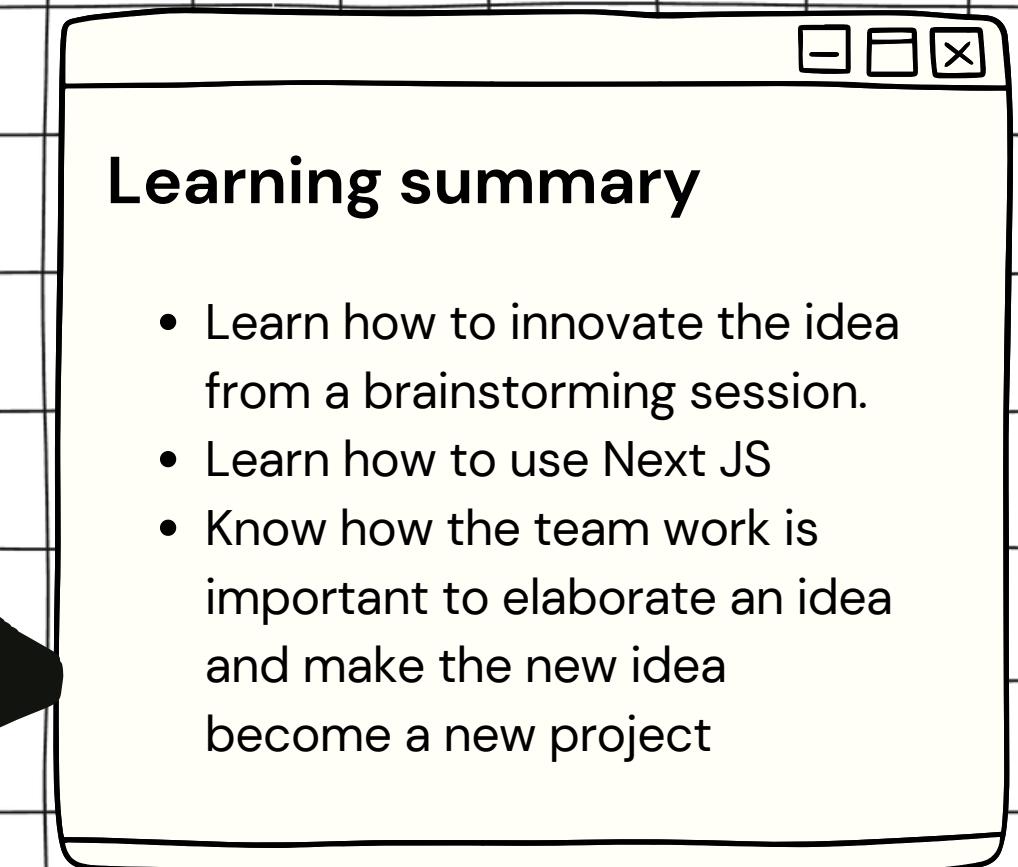
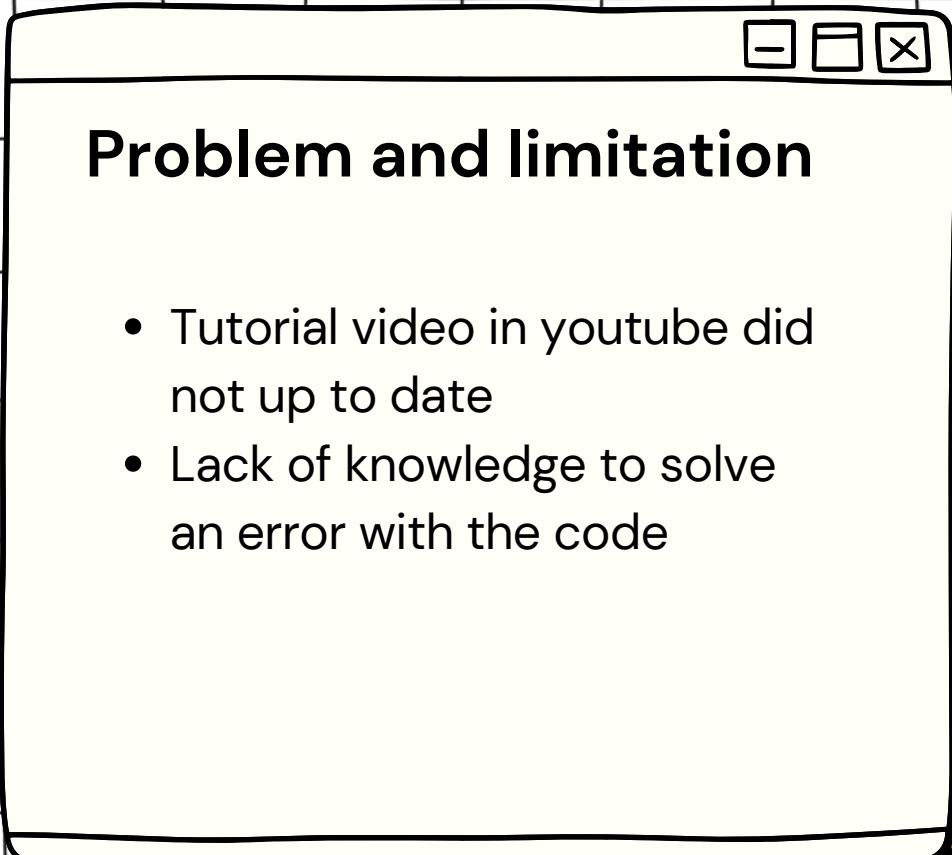
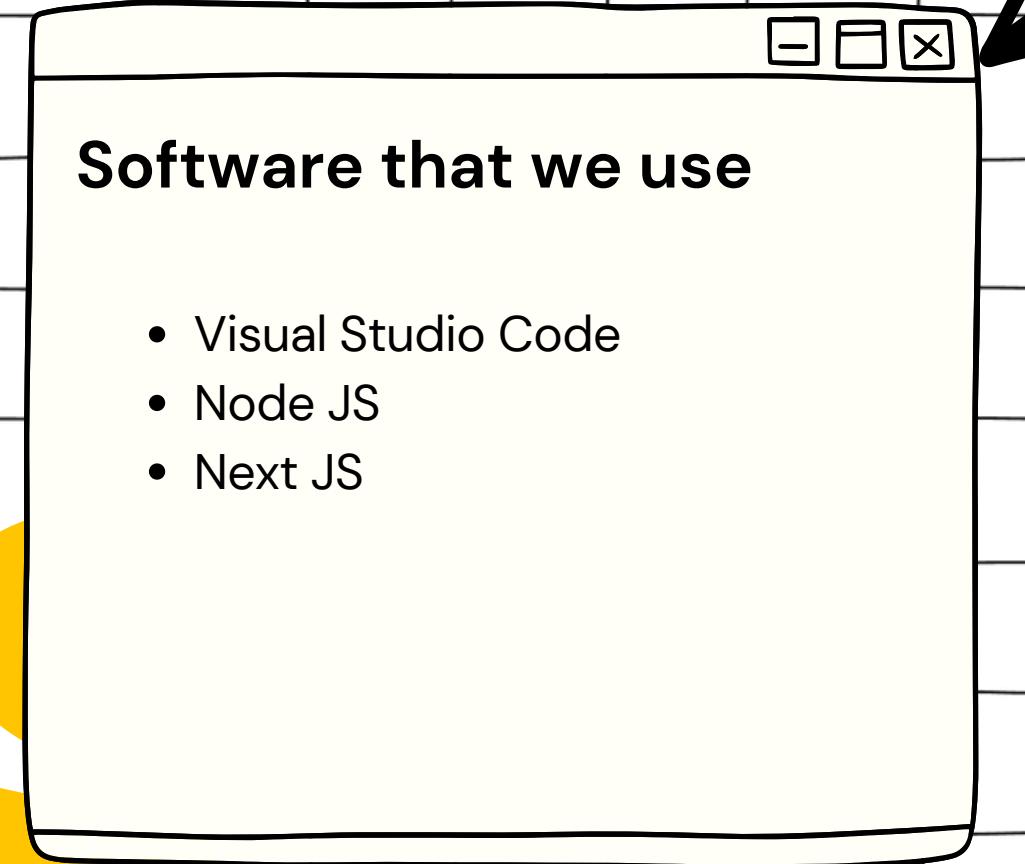
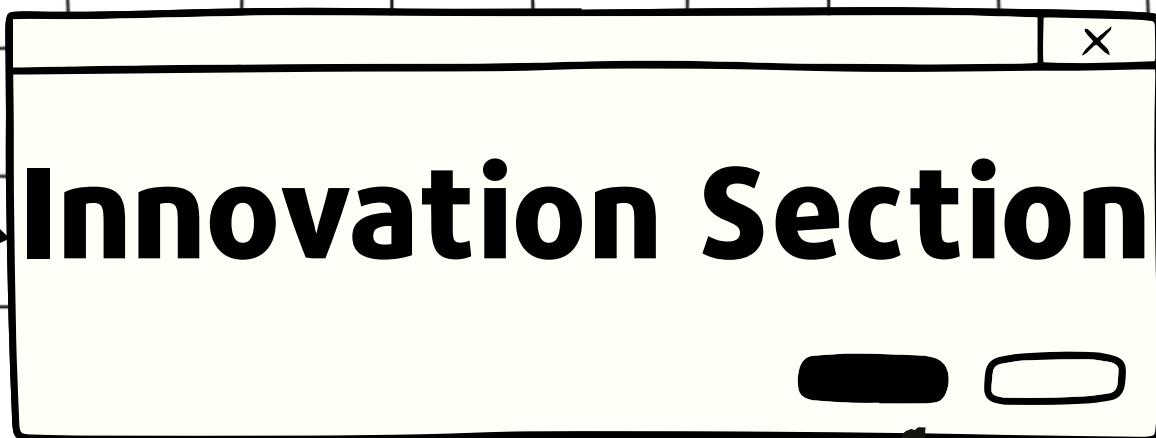
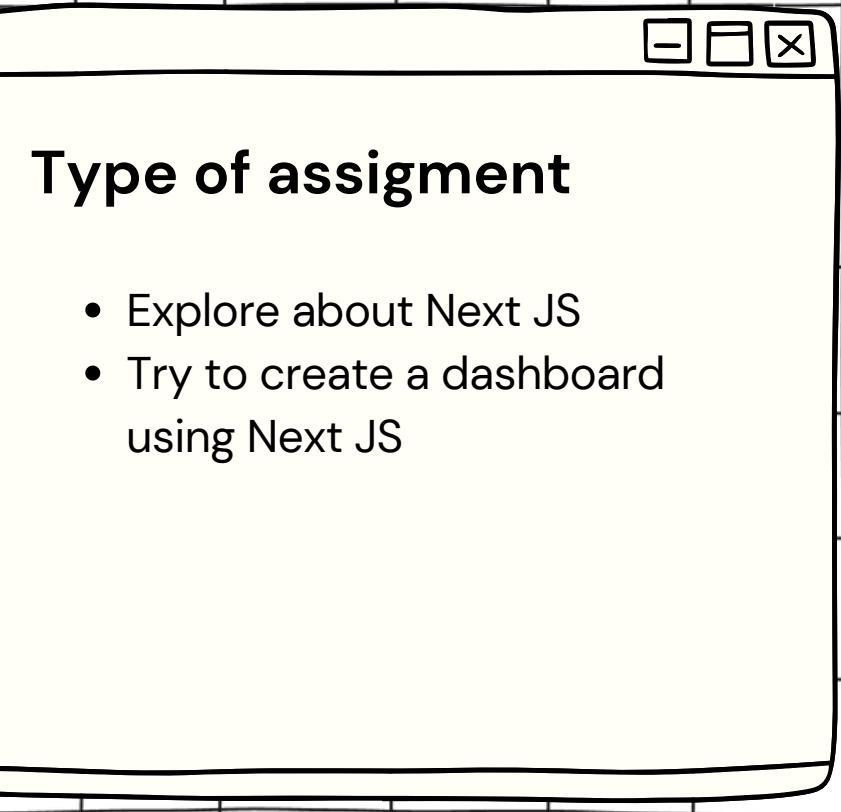
Company Industry ⓘ
Accounting

Occupation
Administration Manager

Monthly income
\$1,000 to \$1,999

Country of source of funds
Malaysia

Next



Next JS Project

A screenshot of a VS Code editor window titled "tuto-m2u-dashboard". The Explorer sidebar shows a file tree for a "TUTO-M2U-DASHBOARD" project, including ".next", "node_modules", "public", "src/app", "about", "comp", "LoginForm", "nijas", "page.js", "styles", "support", "favicon.ico", "layout.js", and "page.js". The "src/app/nijas/page.js" file is open in the main editor area, displaying the following code:

```
const getPhotosData = async () => {
  const res = await fetch("https://dog.ceo/api/breeds/image/random")
  return res.json();
}

const getAlbumData = async () => {
  const res = await fetch("https://jsonplaceholder.typicode.com/albums")
  return res.json();
}

export default async function nijas() {
  const [users, pictures, albums] = await Promise.all([
    getPostsData(),
    getPhotosData(),
    getAlbumData(),
  ]);
  return (
    <div>
      <head>
        <title>Dashboard | User List</title>
      </head>
      <div style={{ display: 'flex', alignItems: 'baseline' }}>
        
```

The bottom status bar shows the message "- event compiled client and server successfully in 433 ms (464 modules)".

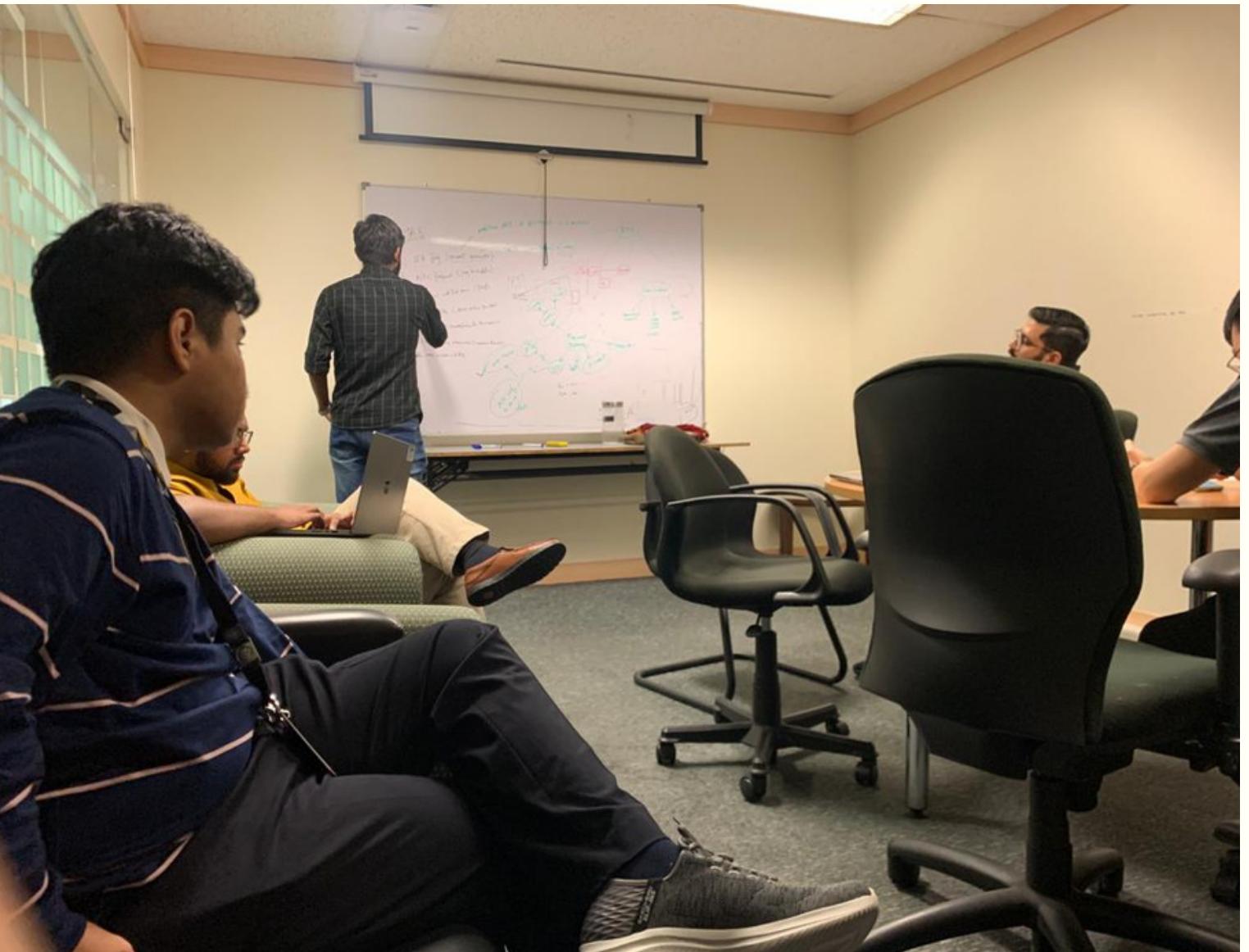
A screenshot of a web browser displaying a user list page. The header features the Maybank logo and navigation links for "Home", "About", "User List", and "Customer Support". The main content area is titled "All Users" and lists five users in a grid:

- Leanne Graham
- Ervin Howell
- Clementine Bauch
- Patricia Lebsack
- Chelsey Dietrich

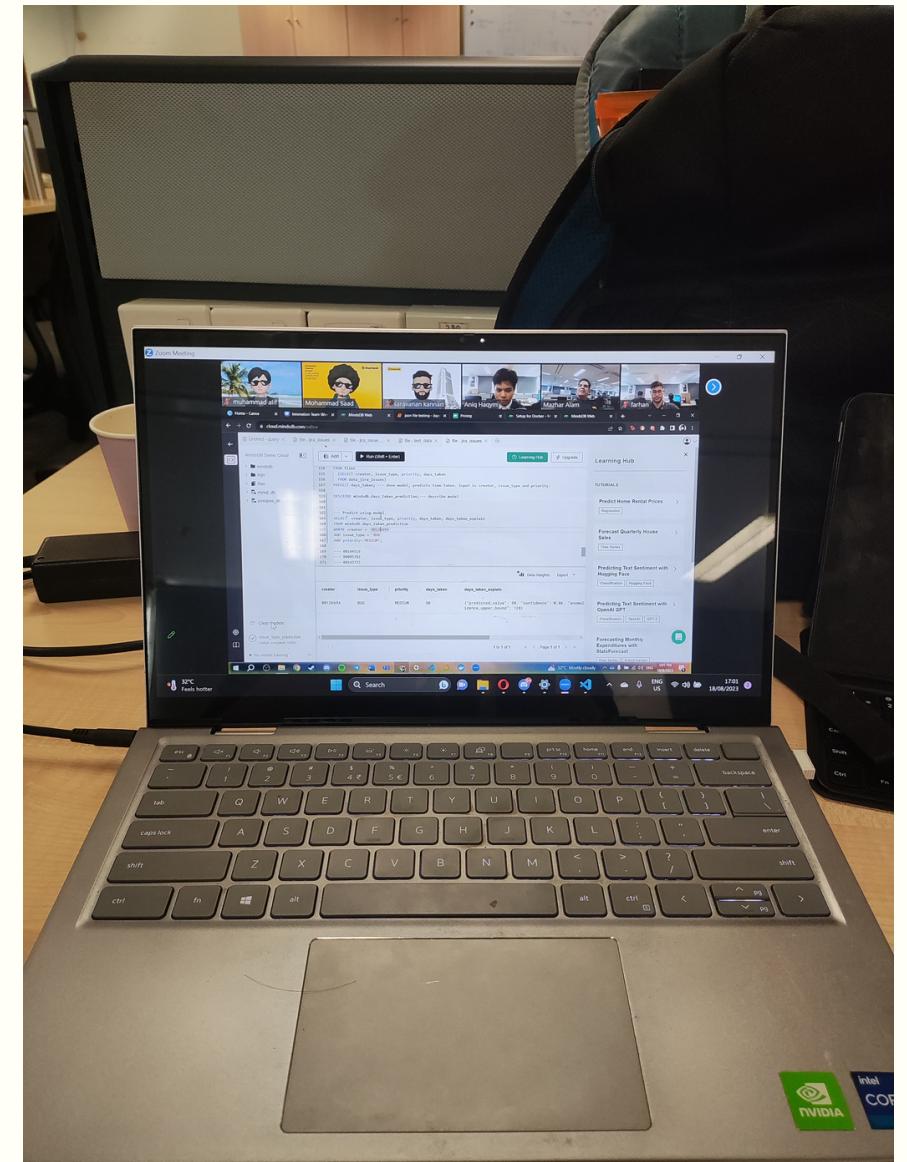
Picture



Introduction to
Innovation team



Brainstorming session with
innovation team



Presentation and farewell
session

Singapore Section

Type of assignment

- Explore back-end
- Explore Java framework (Spring-boot)

Software that we use

- Spring Boot
- Visual Studio Code
- IntelliJ

Problem and limitation

- Hard to reach person in charge
- Lack of knowledge about JAVA

Learning Summary

- Learn how to create database using spring-boot
- Explore more about Spring boot (Java Framework)

Picture

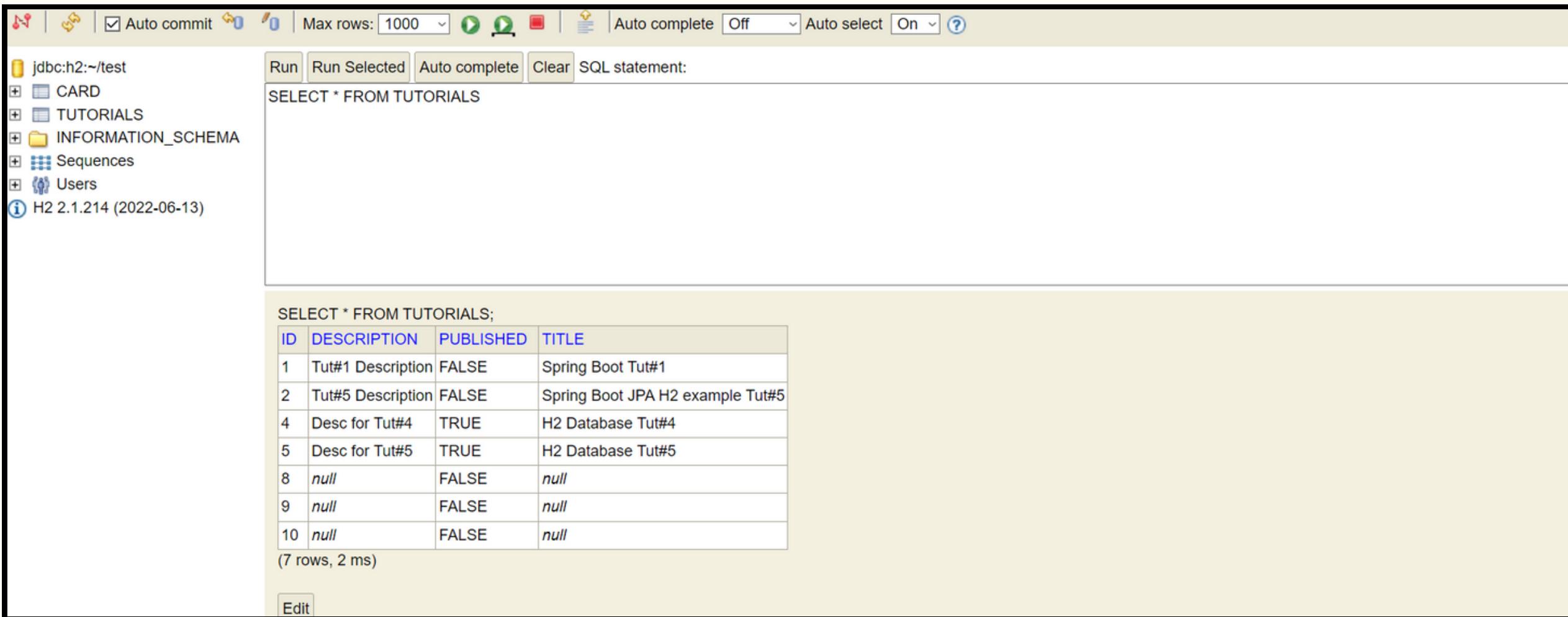
The screenshot shows the Spring Initializr landing page. It features a dark header with the "spring initializr" logo. Below the header, there are sections for "Project" (Gradle - Groovy, Gradle - Kotlin, Maven), "Language" (Java, Groovy, Kotlin), and "Dependencies" (with a "No dependency selected" message and an "ADD DEPENDENCIES... CTRL + B" button). The "Spring Boot" section lists versions: 3.2.0 (SNAPSHOT), 3.2.0 (M2), 3.1.4 (SNAPSHOT) (selected), 3.0.11 (SNAPSHOT), 3.0.10, 2.7.16 (SNAPSHOT), and 2.7.15. At the bottom are "GENERATE CTRL + J", "EXPLORE CTRL + SPACE", and "SHARE..." buttons, along with GitHub and Twitter icons.

Spring Boot landing page

The screenshot shows the H2 Database configuration dialog. It has a "Login" header with "English" language selection and "Preferences Tools Help" links. The "Saved Settings" dropdown is set to "Generic H2 (Embedded)". The "Setting Name" field contains "Generic H2 (Embedded)" with "Save" and "Remove" buttons. Configuration fields include "Driver Class" (org.h2.Driver), "JDBC URL" (jdbc:h2:~/test), "User Name" (sa), and "Password" (empty). At the bottom are "Connect" and "Test Connection" buttons.

H2 Database

Picture



The screenshot shows the H2 Database Interface. The left sidebar lists database objects: CARD, TUTORIALS, INFORMATION_SCHEMA, Sequences, and Users. The main area contains a SQL statement window with the query "SELECT * FROM TUTORIALS" and a results window below it.

SQL statement:

```
SELECT * FROM TUTORIALS;
```

Results:

ID	DESCRIPTION	PUBLISHED	TITLE
1	Tut#1 Description	FALSE	Spring Boot Tut#1
2	Tut#5 Description	FALSE	Spring Boot JPA H2 example Tut#5
4	Desc for Tut#4	TRUE	H2 Database Tut#4
5	Desc for Tut#5	TRUE	H2 Database Tut#5
8	null	FALSE	null
9	null	FALSE	null
10	null	FALSE	null

(7 rows, 2 ms)

Edit



H2 Database Interface

Cloud Section

Type of assignment

- Learn about AWS module
- Installing Docker in Ubuntu
- Install React in Ubuntu
- Install Node JS in ubuntu and docker

Software that we use

- AWS (Amazon Web Services)
 - EC2 (Elastic Compute Cloud)
 - SSM (Simple system Manager)

Problem and limitation

- Lack of knowledge about cloud
- Lack of time to learn and explore
- Having trouble creating VPC (Virtual Private Cloud)

Learning summary

- Learn how to use SSM in EC2
- Learn how to create instance in AWS

Picture

The screenshot shows the AWS landing page with the AWS logo at the top left. The top navigation bar includes the user name "Muhammad Alif", "MFA devices", and "Sign out". A search bar labeled "Search" is positioned above the main content area. On the left, there is a sidebar with a "New EC2 Experience" poll and a "Tell us what you think" link. The sidebar also lists various EC2 services: EC2 Dashboard, EC2 Global View, Events, Instances (with sub-options: Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations), Images (with sub-options: AMIs, AMI Catalog), and Elastic Block Store.

The main content area displays the "AWS Account (1)" summary, which includes a small orange cube icon and the text "AWS Account (1)". Below this, a large black arrow points from the word "Instance" to the "Instances" section of the sidebar. Another large black arrow points from the text "AWS landing page" to the top of the main content area.

The right side of the screenshot shows the "EC2 > Instances > i-0805ad43ea2d09473" details page. The title is "Instance summary for i-0805ad43ea2d09473 (alif-new-instance)". The instance is listed as "Running" with a public IP address of 13.213.18.15 and a private IP address of 10.0.8.194. The instance type is t2.micro, and it is associated with the VPC ID vpc-00e82c6807c3bf60e (default-vpc).

AWS landing page

Instance

Instance summary for i-0805ad43ea2d09473 (alif-new-instance)		
Updated less than a minute ago	Info	
<input type="button" value="C"/> Connect	Instance state	Actions
Instance ID i-0805ad43ea2d09473 (alif-new-instance)	Public IPv4 address 13.213.18.15 [open address]	Private IPv4 addresses 10.0.8.194
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-13-213-18-15.ap-southeast-1.compute.amazonaws.com [open address]
Hostname type IP name: ip-10-0-8-194.ap-southeast-1.compute.internal	Private IP DNS name (IPv4 only) ip-10-0-8-194.ap-southeast-1.compute.internal	Elastic IP addresses -
Answer private resource DNS name -	Instance type t2.micro	AWS Compute Optimizer finding User: arn:aws:sts::420792623485:assumed-role/ASReservedSSO_MaybankMY-Digital-Intern-NonProd_40c6697c1b0f37f0/alif.masrulnizam@maybank.co is not authorized to perform: compute-optimizer:
Auto-assigned IP address 13.213.18.15 [Public IP]	VPC ID vpc-00e82c6807c3bf60e (default-vpc)	

Picture

The image shows two terminal windows from the Simple System Manager (SSM) interface. Both windows have a session ID of `alif.masrulnizam@maybank.com-02090dfd79ad0d40e` and an instance ID of `i-0805ad43ea2d09473`. A yellow "Terminate" button is visible in the top right corner of each window.

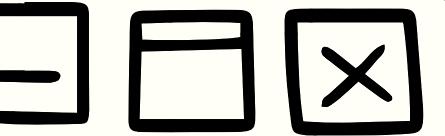
Top Terminal Session:

```
Session ID: alif.masrulnizam@maybank.com-02090dfd79ad0d40e Instance ID: i-0805ad43ea2d09473
Termination
Compiled successfully!
You can now view alif-app in the browser.
Local: http://localhost:3000
On Your Network: http://10.0.8.194:3000
Note that the development build is not optimized.
To create a production build, use npm run build.
webpack compiled successfully
```

Bottom Terminal Session:

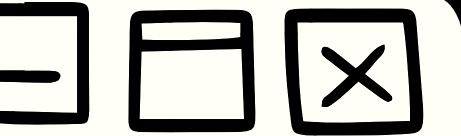
```
Session ID: alif.masrulnizam@maybank.com-02090dfd79ad0d40e Instance ID: i-0805ad43ea2d09473
Termination
root@fee272195c95:~# node -v
v12.22.9
root@fee272195c95:~# apt update
Hit:1 http://archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://security.ubuntu.com/ubuntu jammy-security InRelease
Hit:3 http://archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:4 http://archive.ubuntu.com/ubuntu jammy-backports InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
2 packages can be upgraded. Run 'apt list --upgradable' to see them.
root@fee272195c95:~# node -v
v12.22.9
root@fee272195c95:~#
```

A large black arrow points from the text "Docker inside SSM" at the bottom left towards the bottom terminal window. Another large black arrow points from the text "SSM (Simple System Manager)" at the top right towards the top terminal window.



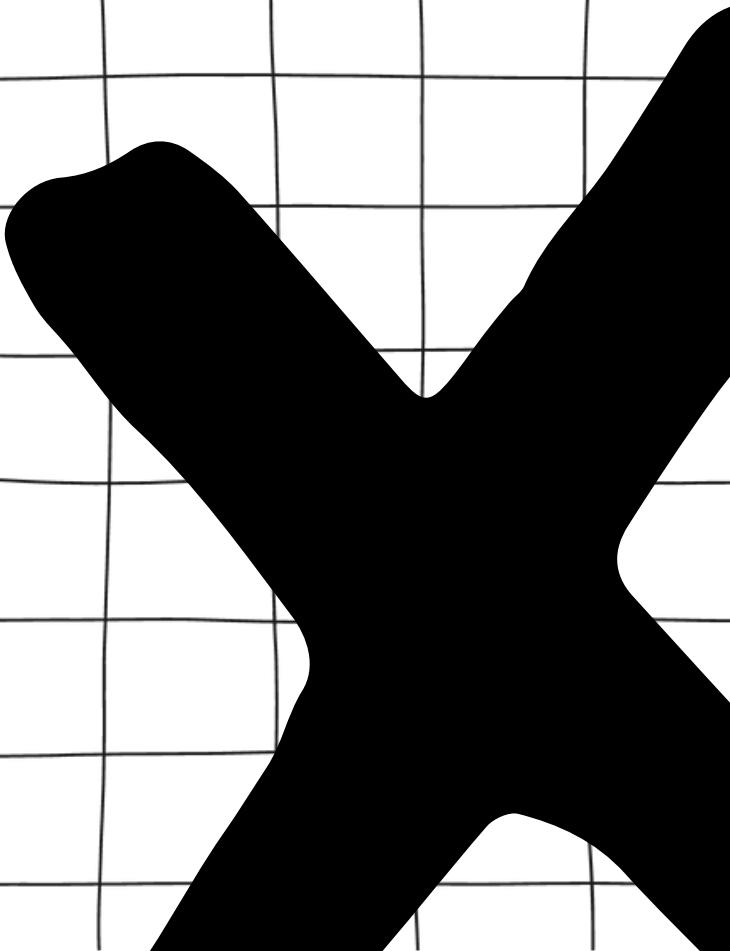
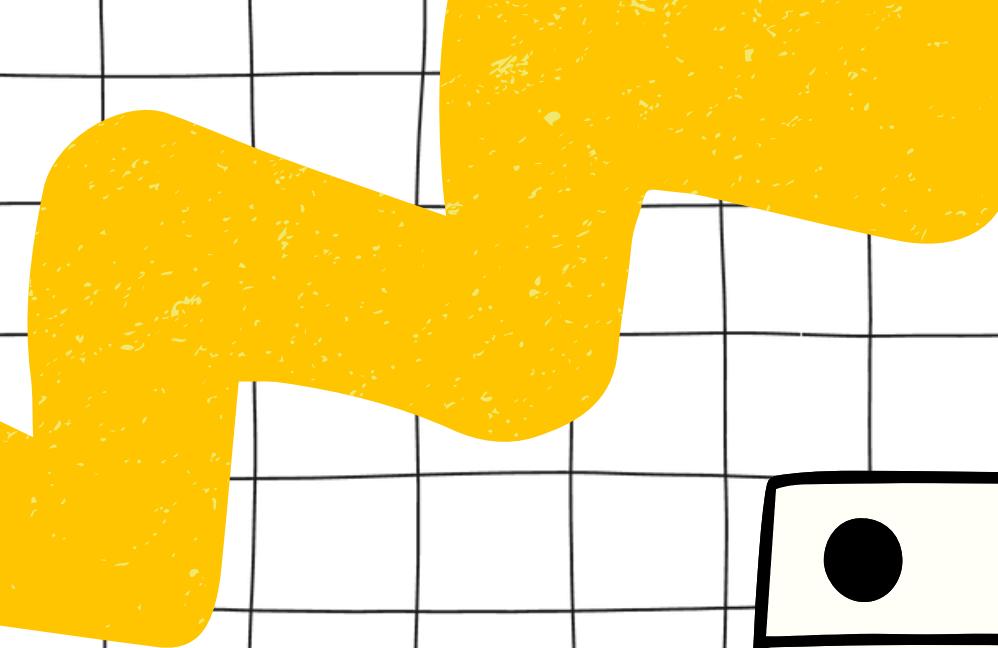
Work Experience

- I got hands-on experience with in-house design software
- Know how to get ideas from brainstorming sessions and successfully put them into action
- Got a hands-on experience in a cloud services like AWS
- Got an experience about how agile methodology works
- Get Experience to do Front-end and Back-end work



Conclusion

- It's wonderful that I can experience what it's like to work in an office environment
- I'm grateful to have the opportunity to do my internship at such a large company.



Thank you