**Part D in Assignment 1**

**“HOW” -Section**

**Resources & Tools**

**GitHUB** -

Our Group will be using GitHub as a (FREE) version control software, which’ll allow us to track changes in our code across different versions. We believe GitHub will make it easier for multiple team-members to collaborate on a single feature if needed. This’ll be done by creating a private repository and all our team members will gain access to it.

An alternative to using GIT could be something like Google drive, It also provides a version history to users but in this case, we believe GitHub is more suitable as it’s directed more towards programmers.

**AWS** - We will be using AWS to host our HTML & CSS pages for each assignment stage, this method was a suggestion, encouraged through the assignment specifications. To host our website on AWS we will be creating a s3 bucket to deploy it on the internet and this’ll provide a link to our website. The URL will make it easier for our assignment to be graded by the markers

(Hosting through AWS will be very low cost, although we do have an allowance given to each student by the university amounting to $50 of credits.)

An Alternative to this will be to use Firebase (made by GOOGLE), this works similarly to AWS in regards to website hosting, but the university would like us to use AWS instead, so that's what we are going with.

**Trello** - Our group will be using Trello as a task management tool. It makes collaboration easier because it allows us to organise our tasks via sticky notes on different lists. Everyone in our team also has access to Trello, so it makes it easier to keep up with what’s being worked on and who is working on it.

**Microsoft Teams** - We will also be using Microsoft teams as our main communication tool, it allows us to keep all of our communication in one place and makes it easier for our mentor (Ivan) to keep up to date with how we are going.

**HTML-** HTML will be one of the 3 programming languages we will use, it’ll mainly be used to structure the front end of our website.

**CSS-** Cascading Style sheets will also be used on the front-end of our scrum board website. Its main purpose will be to beautify the presentation of our user interface and to help us create a responsive web application.

Specifically, we intend to use CSS flexbox because it’ll allow us to easily align items both horizontally and vertically in the layout of our website. We also intend to use CSS Grid as it’ll make it simpler to create a responsive design.

**JavaScript-** Vanilla JavaScript will be used to implement functionality to our front end and could also be used as a backend (Node.js) if we decide to not go with MySQL Database.

**Collaborative Workspaces**

**Trello:**

**How to navigate to this workspace**

1. Sign up using RMIT email
2. Once signed in, you will be redirected to the HOME Page
3. Under the sub-section, “Teams” you should find a team called “Max & Others”
4. Once in the “Max & Others” team channel, you will have access to all our team boards!

Additional LINK:

<https://trello.com/b/zoYfuBq1/trello-board>

**Microsoft Teams** - *This workspace can be accessed via 2 ways:*

1.Browser

2. MST Desktop application

**How to navigate to this workspace**

1. Sign up using RMIT Account
2. Click “teams” in the navigation panel on the right
3. Enter our main course channel called “COSC2625 Building IT Systems Semester 2, 2020”
4. Access our private sub-channel through list called “IS- MO-330-Max & Others”

Additional LINK:

<https://teams.microsoft.com/l/team/19%3ac2a1b6b4ff304416b98ad469f506ec9e%40thread.tacv2/conversations?groupId=caa461f4-e382-4703-8007-4561845e6dd6&tenantId=d1323671-cdbe-4417-b4d4-bdb24b51316b>

**GitHub:**

**How to navigate to this workspace**

1. Sign into your GitHub account
2. Search up for a Repository called “[IS-MO-330-Max-and-others](https://github.com/Maxtreme69/IS-MO-330-Max-and-others)”

Additional LINK:

<https://github.com/Maxtreme69/IS-MO-330-Max-and-others.git>

**AWS:**

**How to navigate to this workspace**

1. Login to AWS educate
2. Click “my classrooms” in the top navigation panel
3. Choose the classroom allocated to this course, called “Building IT Systems 2” - Educator should be named Isaac Balbin
4. Next you will be re-directed to the Vocareum labs site and through here you can access the “AWS Management Console”
5. When in the “AWS Management Console”, search up a service called s3
6. Next search up our private s3 Bucket called “buildingcompsystemsassignment1”!
7. You are finally here!

Additional LINK:

<https://s3.console.aws.amazon.com/s3/buckets/buildingcompsystemsassignment1/?region=us-east-1&tab=overview>

**Group Contract**

**Expectations: (Ground Rules)**

1. Meetings will start around 5-10 mins after the agreed upon starting time, this will usually be 4:30pm every Friday afternoon. Everyone should assume responsibility to make sure they are available and ready by then.
2. You should expect the meetings to last around an hour, sometimes it may be shorter or take longer than an hour.
3. Everyone is required to attend all the meetings, if you aren't able to make it, please let the team know before-hand.
4. You should try your best to remain in the meeting until all the discussions/ tasks have been completed. If you must leave mid-meeting, make sure to let the team know.
5. Each member should expect to take on a reasonable workload for the week coming and whatever you were assigned is expected to be completed before the next meeting unless another deadline is agreed upon.
6. All group-members are encouraged to participate in discussions, and you should be open to receiving and giving constructive feedback.

**Task Allocation:**

**Specific tasks-**

Features

Backend design

Database design

User Interface design

**Roles -** To be decided upcoming weeks

**Due-Dates -**

Assignment Part 1: 15/8/20

Assignment Part 2: 20/9/20 (Incl: Mock-ups, low-fidelity prototype & Basic Design)

Assignment Part 3: 18/10/20 (Full design, High-fidelity Prototype & Fully functional build with MVP)

**Dealing with unmet Expectations:**

1. If you are assigned a task outside of your capabilities, it is recommended that you try your best to complete it and seek help from other group members.
2. If you need assistance with your allocated task, you should seek helpASAP instead of leaving things to the last minute.

**Expected frequency of responses:**

1. It is recommended that you turn on your notifications for our teams' channel because that's where most of our communication will occur.
2. You should also provide a secondary form of contact.
3. It is recommended that you check our team's channel for any updates at least twice a day (Every 12 hours). If you turn on your notifs , this shouldn't be a problem for you as you’ll be alerted instantly.

**NOTE: This Group contract will be posted on our teams' channel for everyone to agree on and everyone will be given the chance to amend or add onto the rules stated above before the contract is finalized**

**Max & Others (TEAM MEMBERS)**

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| **Name** | **Strengths** | **Areas to Develop** |
| **Benjamin Vo** | Java  UI Design | Java UI Design |
| **Max** | HTML  CSS  Figma  JavaScript  Java  PHP Node.js  SQL | Designing  JavaScript  Java  PHP  Node.js  SQL |
| **Nipun** | Design | SQL Design |
| **Mohamed** | HTML CSS  Java  SQL | JavaScript Java  SQL |
| **Sing (Randy)** | HTML  CSS Java | Design  HTML  CSS |
| **Yashraj** | Java  SQL | Java  SQL |