TEAM

Scrum Master – Jenny

Product Owner – Jefferson

Developer – Matthew, Bennett, Kelly

DEFINITION OF DONE

A user should be able to see what computers they can/cannot use and what software (and their versions) is installed on them. The software should work on different platforms and have a nice UI that users can easily interact with.

TEAM CHARTER

- Each developer with at most 2 WIP limit
- Communicate through Discord and Teams
- Adhere to agile principles
- 15 minutes daily stand up at the start of working day
- Be punctual
- 10 minutes respond time when getting tagged on Discord (Working hours)
- Open and transparent communication within the team

VISION BOX

Front Side	Back Side
PC Track	This project aims to develop a web app that documents computers and the versions of software that are already installed and what may be required in order for it to be equipped with the tools necessary for different roles within the academy.
	• Business admins, location admins, room admin, staff access mode • Store information on many locations, rooms, computers and their associated programs • Secure with multiple authorization levels
• Access to many approved programs with many approved versions • View locations with available rooms instantly • Assign admin roles with ease	• Display room number and location • Categories with locations • Requirements: Working with standard browsers

MEASURE OF SUCCESS

Features	Criteria
• Business admins	Allow Business admin to: • Add at least 20 locations, with each locations having different number of rooms • Assign admin / user roles to anyone in the system • Able to change software version??
• Location admins	Allow Location admin to • Add at least 20 rooms to a location • Assign location and room admin roles • Have all functionalities a room admin and user has
• Room admins	Allow Room admin to • Add at least 20 computers to a room • Assign software to role types • Set a mandate for their room to prepare for class
• Staff	Allow staff to • View and search for computers
• User (refers to admins and staff)	Allow user to • See the list of software still need to be installed • See the number of computers per room • Have multiple roles • View and search for computers • Report if a computer fails to qualify for a role • Report if a program version is outdated • Report if the computer has technical malfunctions or missing equipment
• Computer	Allow computers • Should be able to be both BI and Dev ready

Personas

Kira Nurettin
Location Admin

Age	:	45
Gender	:	Male
Address	:	Sydney

ABOUT
As a Location Admin, I enjoy connecting with colleagues and customers, fostering a sense of community within the company. I am always seeking opportunities to expand his knowledge and develop new skills.

STRENGTHS
- Customer-centric
- Team player
- Problem-solver
- Detail-oriented
- Adaptable and resourceful

GOALS
- Assign room admin roles
- Add rooms to a location
- Maintain room assignments and equipment inventory

LIKES
- Positive work environment
- Learning new concepts

DISLIKES
- Lack of organization
- Resistance to change
- Inefficiency

SKILLS
- Collaboration ★★★★⯪
- Supportive ★★★★★
- Communication ★★★★☆

PERSONALITY
76%
Detail-oriented
80%
Adaptability

Najwa Sheilla
Business Admin

Age	:	31
Gender	:	Female
Address	:	Sydney

ABOUT
As a Business Admin, I am passionate about contributing to the success of the company and its employees. I enjoy seeking opportunities to expand on my skillset and knowledge base.

STRENGTHS
- Highly organised and efficient
- Excellent communication and interpersonal skills
- Proactive problem solver
- Detail-oriented
- Adaptable and resourceful

GOALS
- Assign all user roles
- Add locations to database
- Ensure smooth operation of this software management system
- Provide reports for strategic decision-making

LIKES
- Efficient, easy to navigate systems
- Intuitive UI
- Clear communication

DISLIKES
- Wasting time with buggy systems
- Tedious process of setting up meeting rooms

SKILLS
- Communication ★★★★★
- Problem Solving ★★★★☆
- Leadership ★★★★☆

PERSONALITY
85%
Detail-oriented
75%
Adaptability

Personas cont

Rachana Itzhak
Room Admin

Age : 28
Gender : Female
Address : Sydney

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ABOUT
As a Room Admin, I am passionate about making a positive change in contributing to the company and its employees. I value fostering a collaborative and supportive workplace where everyone feels valued and empowered.

GOALS
- Manage computer to locations
- Ensure computers in assigned rooms are working properly

STRENGTHS
- Proactive problem solver
- Detail-oriented
- Adaptable and resourceful
- Excellent communication and interpersonal skills

LIKES
- Quick responses
- Witnessing the growth and collaboration of the teams

DISLIKES
- Technical issues

SKILLS
Communication ★★★★★
Problem Solving ★★★★☆
Technical Proficiency ★★★☆☆

PERSONALITY
70%
Open-minded
85%
Organisation

John Smith
Staff

Age : 48
Gender : Male
Address : Sydney

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ABOUT
As a Staff, I enjoy tackling complex problems and new technologies, I love finding creative solutions and seeing my work come to life.

GOALS
- Check the version of Eclipse is compatible with the latest version of Python
- Navigate the system to find needed information regarding software installation and maintenance

STRENGTHS
- Strong programming skills
- Understanding of development methodologies
- Proactive problem solver
- Creative thinker
- Adaptable and resourceful

LIKES
- Instruction being straight forward
- Easy navigation and documentation
- Computing

DISLIKES
- Unreadable UX designs
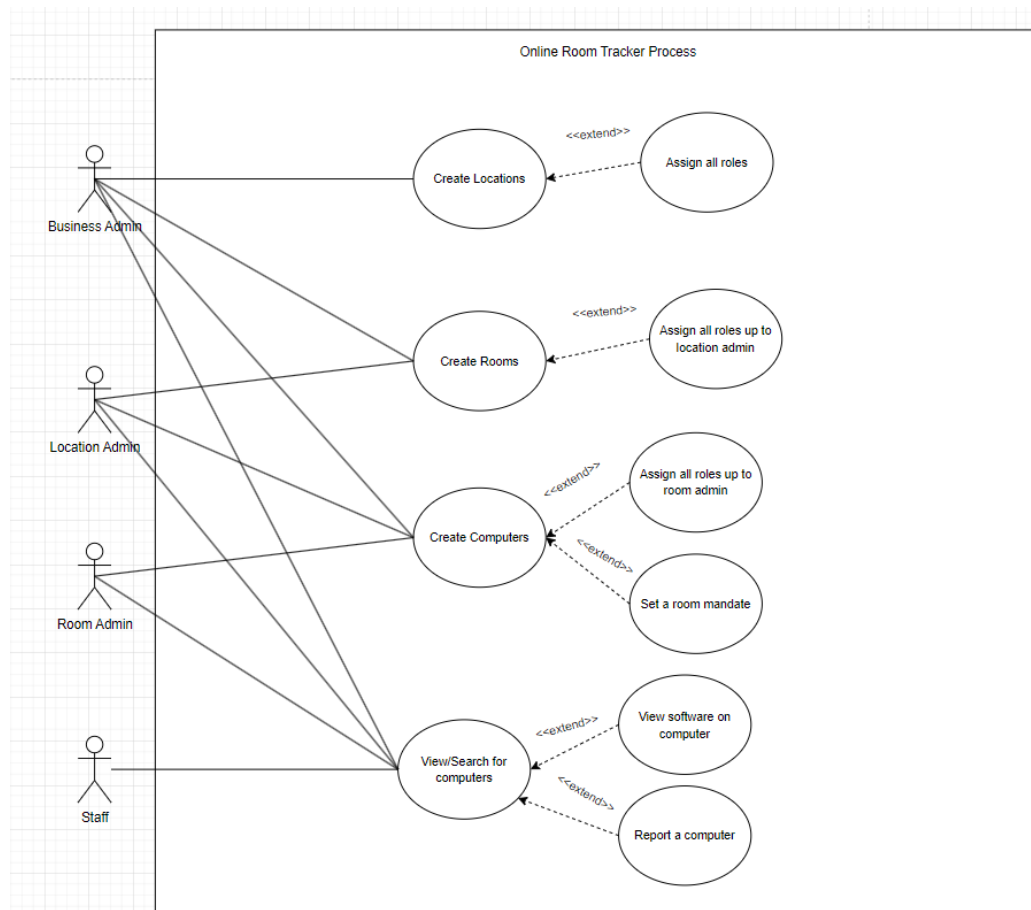- Being called Johnny
- Working with other people

SKILLS
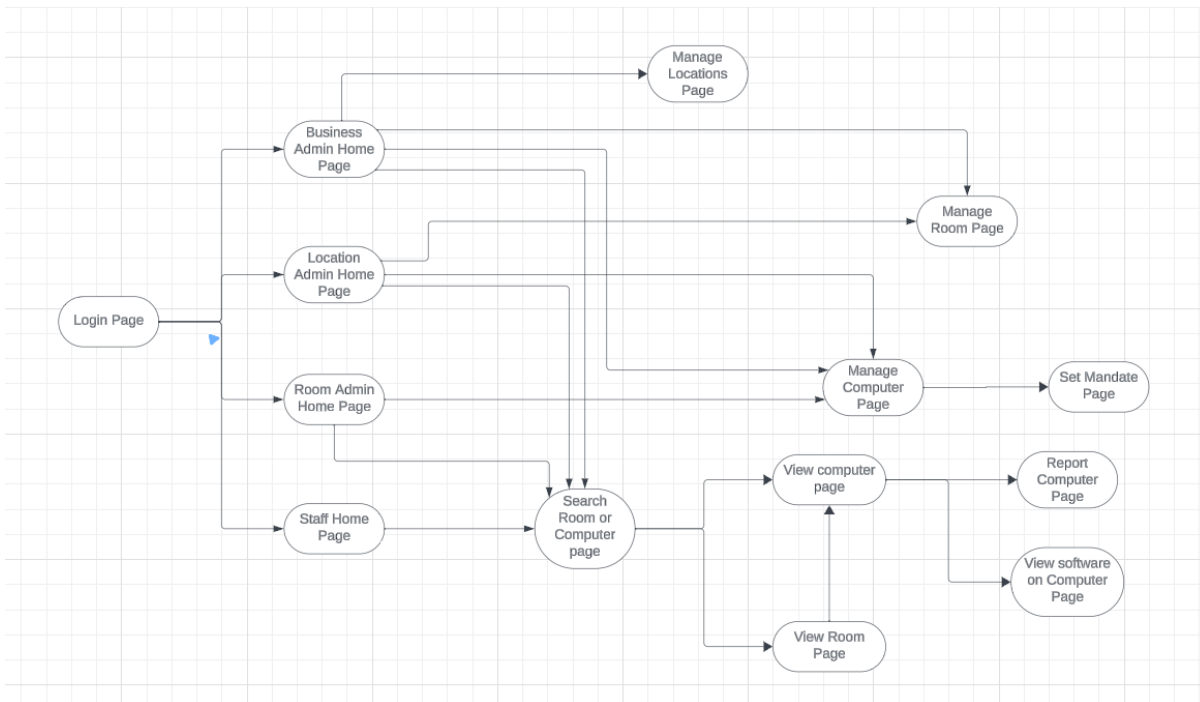Technical Skills ★★★★★
Problem Solving ★★★★☆
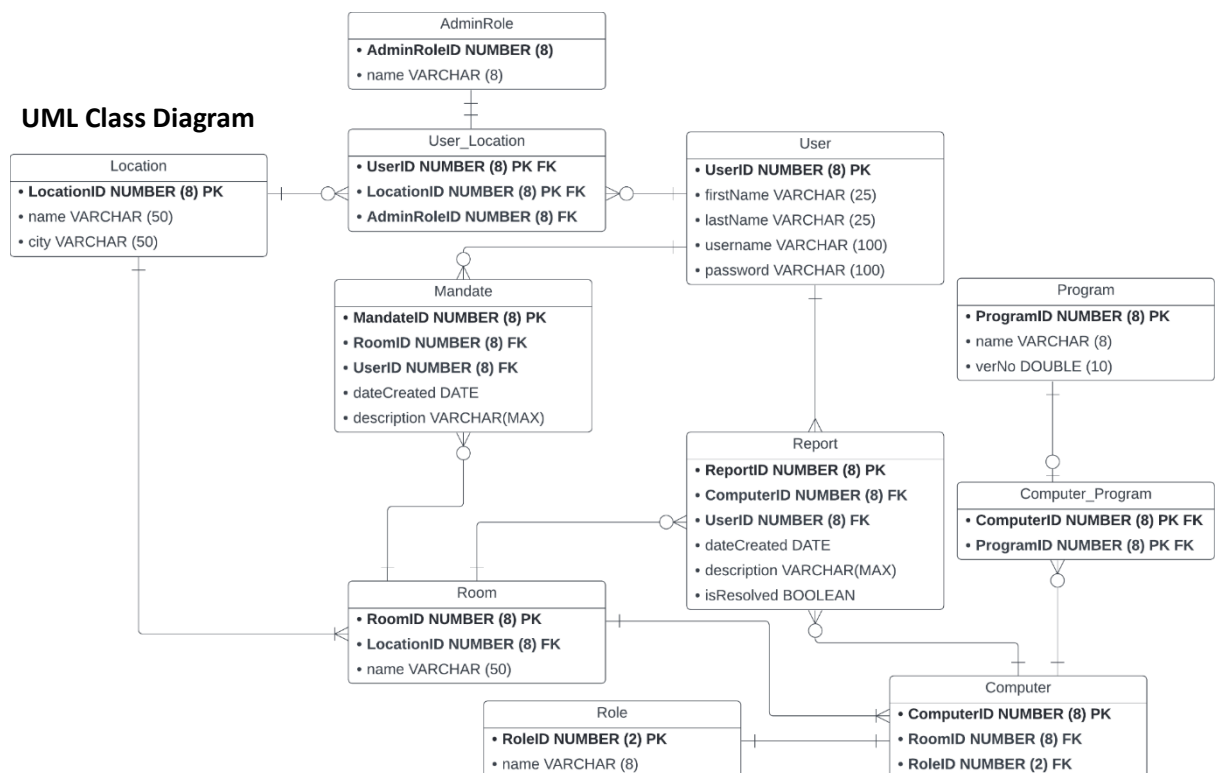Teamwork ★★★☆☆

PERSONALITY
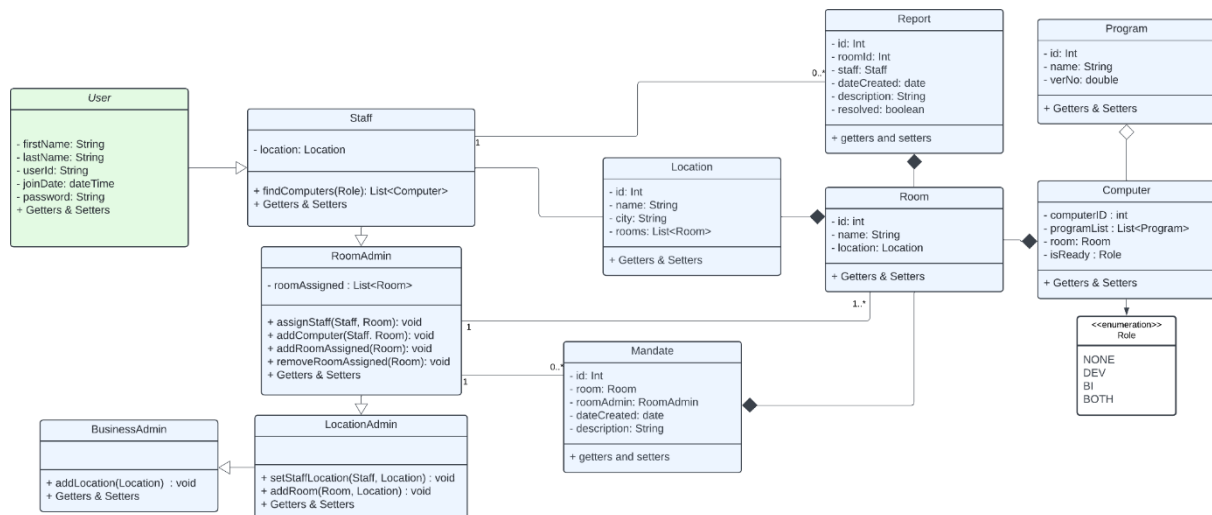90%
Analytical
80%
Independent

Use Case Diagram

Use Case Diagram showing the Online Room Tracker Process. Actors: Business Admin, Location Admin, Room Admin, Staff.

Online Room Tracker Process

- Create Locations — <<extend>> — Assign all roles
- Create Rooms — <<extend>> — Assign all roles up to location admin
- Create Computers — <<extend>> — Assign all roles up to room admin; <<extend>> — Set a room mandate
- View/Search for computers — <<extend>> — View software on computer; <<extend>> — Report a computer

UI Flow Diagram

Entity Relationship Diagram

UML Class Diagram

Product Backlog

User stories

User

- As a user, I want to navigate webpages with a navigation bar so I can navigate to different webpages easier. (scrum-1)
- As a user, I want to see what software is installed on a computer so that I know which computers are role-ready (scrum-2)
- As a user, i want to see what software still needs to be installed on a computer for it to satisfy my role
- As a user, I want to search for available computers specific to a role so that I can view its software configurations and report issues. (scrum-3)
- As a user, I want to see a dashboard displaying the number of computers in each room and identify which computers have a specific role so that I can plan my work effectively. (scrum-4)

- As a <u>user</u>, I want to <u>report when a computer fails to qualify for my role if a program version is outdated, or if the computer is having technical malfunctions or missing</u> equipment so that I can <u>have someone can fix it and I can use this computer again</u>. (scrum-5)
- As a <u>user,</u> I want to be able to <u>register myself into the system</u> so that I can access the website.

Business admin

- As a <u>business admin</u>, I want to be able to <u>maintain a catalogue of approved software</u> so that I can <u>assign the software to be installed on the computers</u>. (scrum-6)
- As a <u>business admin</u>, I want to be able to <u>designate roles to users</u> so that I can <u>control access and permissions on the users</u>. (scrum-7)
- As a <u>business admin</u>, I want to <u>establish a new office location</u> for room admins to <u>assign rooms in office.</u> (scrum-8)
- As a <u>business admin</u>, I want to view <u>reports on overall computer performance/usage summarized based on location and categorized based on role</u> so that I can <u>have an overview of the system's effectiveness in meeting the organization's goals</u>. (scrum-9)
- As a <u>business admin</u>, I want to <u>add rooms to locations</u> so that I can <u>update the rooms in a location</u>
- As a <u>business admin</u>, I want to <u>add computers to rooms</u> so that I can <u>update the computers in a room</u>

Location admin

- As a <u>location admin</u>, I want to <u>receive alerts regarding issues with computers in my location</u> so that I can <u>assign staff to fix those computers</u>. (scrum-10)
- As a <u>location admin</u>, I want to <u>monitor computer information within my location</u> so that I can <u>check if the computers are ready for use by staff in my location</u>. (scrum-11)
- As a <u>location admin</u>, I want to a<u>ssign roles up to location admins</u>, so that I can <u>manage users up to my level.</u>
- As a <u>location admin</u>, I want to <u>create rooms</u> so that I can <u>keep the database updated</u>. (scrum-12)
- As a <u>location admin</u>, I want to be able to <u>edit the list of software used in the system</u> so I can <u>update the software used within the office</u>

Room admin

- As a <u>room admin</u>, I want to <u>add computers in the database</u>, so that I can <u>keep the database updated.</u> (scrum-13)
- As a <u>room admin</u>, I want to <u>view the number of computers available along with their installed software</u>, so that I can <u>help with assigning staffs to an appropriate room and computer.</u> (scrum-14)
- As a <u>room admin</u>, I want to a<u>ssign roles up to room admins</u>, so that I can <u>manage users up to my level.</u>
- As a <u>room admin</u>, I want to <u>set a mandate for a room</u> so that I can <u>install programs if needed to prepare the room for a class</u> (scrum-15)

- As a <u>room admin</u>, I want to <u>view how many computers are ready for a role within each room</u> so that I can <u>install programs if needed to prepare for a class</u> (scrum-3)
- As a <u>room admin</u>, I want to <u>make multiple mandates at a time</u> so that I can <u>prepare many rooms at once</u>

Staff

- As a <u>staff</u>, I want to <u>view which computers are available for use according to my role</u> so that I can <u>work on that computer</u>.
- As a <u>staff</u>, I want to <u>view which computers have issues based on user reports</u> so that I can <u>proceed to fix those computers</u>. (scrum-16)

Sprint 1 – planning

Sprint Goal

Set up initial project framework, implement register and login of users. Allow locations to be assigned to users.

Initial Velocity

A total amount of 91 story points which roughly means initial velocity is 31 story points per sprint. With 5 members in the group this means each member needs to complete around 6 story points per sprint.

Stakeholder Questions - Tejasva

- **Specify how many rooms, computers and software (max,min)**
  - **No max**
  - **Could be min (I need this many dev computers) - a nice to have – can be mandate**
  -
- **What programs are considered approved**
  - **Can configure, no definite list, use dummy list for now (as diverse as possible)**
  - **VS, VS Code, MySQL workbench and shell, Node.js, Eclipse, pnpm, SSMS**
- **What versions are considered approved for each program**
  - **What exists on the computer already**

- o I guess no definite list as well? Yep, devs just want what's available then he/she decides if he wants to use the computer. Ok!
- **How many different locations are we taking into account for this product**
  - o **APAC region, singapore + HK**
- **What is the organisations Definition of Done**
  - o **Am I able to see what computers can I use/not use and what software on them, able to make a decision with this information**
  - o **Nice UI (floor map of the location, etc)**
- **Is this software only going to be use for FDM**
  - o **Be as generic as possible but collect data from FDM (dummy)**
- **In the document it states it only requires a create function for locations, rooms and computers, do you want any other functions in addition to this?**
  - o **Everyone should be able to access the info on the computers, is computer dev/bi ready**
  - o **CRUD permissions given to higher up**
  - o **See what computer i can use as a dev/BI/etc**
  - - **Automate gathering software info?**
  - - **Tell you what softwares are needed to be dev/bi ready – nice to have**

Stakeholder Questions – Ryan (business admin)

- **(maybe ask first what the stakeholder personally wants from the software? Like opening question) yeah**
  - o **Make sure all software is approved by IT (up to date)**
  - o **Trainers can request new software**
- **Specify how many rooms, computers and software (max,min)**
  - o **Max/min not helpful**
- **What programs are considered approved**
  - o
- **What versions are considered approved for each program**
- **How many different locations are we taking into account for this product**
- **What is the organisations Definition of Done**
  - o **Test coverage**
  - o **Working on different platforms**
  - o
- **Is this software only going to be use for FDM**
- **In the document it states it only requires a create function for locations, rooms and computers, do you want any other functions in addition to this?**

Excel sheets never gets done

IT department – add new software to database?, all the admins

Does it work on all browsers, mobile? Does it behave properly if server is not up

Floorplan UI can come into later sprints

Many roles across different locations (each user role has an Id??, extend conversation about object creation and table creation with regards to user roles, <u>inheritance with JPA</u>)

Room can have multiple admins

Focus on roles working frontend and backend + location

Potentially ignore Spring Security in first sprint