Sprint 0 (W1-W3)

1. Sprint planning

The first sprint is planned to start with project planning and initial setup (Non-functional). Apart from this, the team will focus on the basic functions that can build up the website.

Functional:

Module	As a <Role>	I want to <Do something>	So that	Priority
User Management	Admin	Login as admin	Access admin functionality	High
		Register a new account	Provide to new employee	High
		Delete an account	Deactivate left employee's account	High
User engagement	Admin & standard user	Search by different options (i.e., name, value stream)	Get close results	High

Non-Functional:

Category	Task	Notes
Diagrams	Flow diagram	An initial diagram for the workflow of the application
	Motivational Map	The overall frame
	UI design	Login; Register; Search Page; Profile page
Collaboration	Git repository setup	
	Communication and task distribution tool setup	For better collaboration
Development	Confirm project stack	Align the stack that the project will use
	Server setup	Based on scalability

2. Sprint review

Functional	Login as admin	Access admin functionality	Completed
	Register a new account	Provide to new employee	Completed
	Delete an account	Deactivate left employee's account	Not Completed*
	Search	Get close results	Partial completed*
Non-functional	Flow diagram	An initial diagram for the workflow of the application	Completed
	Motivational Map	The overall frame	Completed
	UI design	Login; Register; Search Page; Profile page	Completed
	Git repository setup	-	Completed
	Communication and task distribution tool setup	For better collaboration	Completed
	Confirm project stack	Align the stack that the project will use	Completed
	Server setup	Based on scalability	Completed

Sprint 1 (W4-W6)

1. Sprint planning

In this sprint 1, our development team decide to move from basic functionalities to more in-depth functionalities in "User engagement" and "Profile info Management" module

Module	As a <Role>	I want to <Do something>	So that	Priority
User engagement	Admin & standard user	Search by different options (i.e., name, value stream)	Get close results	High
	Standard User	Register	Register with email and password	High
		Login authentication	The account needs to be activated by email verification.	High
		Protect route	The access of certain pages needs user login. If not logged in, it should jump to login page	Medium
Profile info Management	Standard User	Password reset	Enter the old password and its new password	Medium
		Update Personal Profile	Update information about users (only for standard users, they can update their contact info, not role)	High
		Profile image upload	Update profile image with a new pic	Medium
		Display personal profile Info	Display info	High

2. Sprint review

	Functional	Register	Register with email and password	Completed
		Login authentication	The account needs to be activated by email verification.	Completed
		Protect route	The access of certain pages needs user login. If not logged in, it should jump to login page	Partial Completed
		Password reset	Enter the old password and its new password	Completed
		Update Personal Profile	Update information about users (only for standard users, they can update their contact info, not role)	Completed
		Profile image upload	Update profile image with a new pic	Not completed*
		Display personal profile Info	Display info	Completed
		Search	Search user via name	Completed* (haven't combine)

Not Scheduled

Separate login entry	Admin and standard user login entry	Completed
Profile image upload	Update profile image with a new pic	Not completed *

- ***Summary of requirements that are partially completed***
  - Frontend:
    - Update profile (email may not be reset), for the standard user, it may only change contact details
      - Employee: phone Number, notes and password
      - Admin: role, product owner, value stream, scrum team
    - Combine search front page with search functionality (backend)
    - Update profile image front end
    - Display profile image properly (still have bugs)
  - Backend:
    - Protect route debugging (if failed with login status, jump to login page)
    - Password reset and authentication before reset
    - Update profile image

Team Sprint 1 comments

Ultimately, our team successfully finished 85 per cent of the work we scheduled to complete in sprint 1. Since four members of ours are new to React, nodejs and javascript, we are quite satisfied with this outcome. As our knowledge gradually builds through self-learning, our communication and collaboration, we are confident we can complete scheduled work in the next sprint. We would be more careful on time management and workload distribution to ensure both the quality and efficiency of our work.

Sprint 2 (W7-W10)

1. Sprint planning

In this sprint, we aim to cover almost all the functionalities of our web application. We scheduled the work we plan to do in sprint 2 and assigned each of them a time limit.

	As a <Role>	I want to <Do something>	So that	Priority
Functional	Admin	Delete an account	Deactivate left employee's account	High
		View all users in the database	At Admin's Home page (after login)	High
		Edit specific user's info (only role, …)	Update Info	High
		Logout	/	Medium
	Standard	Get search result	Pick user from result page	High
		Logout		High
		View selected user's profile	View only	High

	user	Add it to contact list	Find him/her in our list	Medium
		Logout		Medium
Non-Functional		**Task**	**Notes**	**Presenter**
		deployment	Use Heroku	David & Karlie
		Testing		Max
		Design diagrams		Vincci & Lydia
		Trello Assignment		Vincci
		Loading animation		frontend

2. Sprint 2 Review

Functional	Logout	standard user/ administrator logout	Completed
	Passport reset	user can reset password by entering their old password for confirmation	Completed
	Admin edit user Backend	The administrator can edit users' information	Completed
	Admin delete user Backend	The administrator can delete users' accounts if the user no longer work for the company	Completed
	Admin Home (frontend)	admin home display	Partially completed *
	Register	The administrator can register new accounts for new employees	Completed
	Page pagination	8 search results per page, user can go to next page to view more results	Partially completed *
	Search results	Display search results	Completed
	Search	Search user via name, via team role, via team number, via value stream	Completed

Summary of requirements that are partially completed
- ○ Frontend:
    - ■ page pagination still needs modification (CSS) but it works fine
    - ■ implementing administrator home page
    - ■ implementing administrator edit, delete and register page
    - ■ Redirect the search results to specific user profile pages
- ○ Backend:
    - ■ Build protected route for the administrator part
    - ■ testing for the administrator functionalities

Team Sprint 2 comments

We are quite happy that by the end of sprint 2 our team has completed 90 per cent of the work and we are very confident that we can complete all of the work before the deadline. Despite we encountered a few challenges during this sprint, such as deployment and testing, we eventually managed to fix the problems. Our team members become very comfortable with the language and we no longer struggle. We are satisfied with our current progress and we believe next sprint we would have a much lighter workload than this sprint. All of our team

members dedicated and contributed a lot of effort this sprint and we will keep this level of dedication throughout the next sprint to achieve the best result we can.

Sprint 3 (W10-W12)

1. Sprint Planning

	I want to <Do something>	So that	Priority
Functional	Admin edit user frontend	The administrator can edit users' information	High
	Admin delete user frontend	The administrator can delete users' accounts if the user no longer work for the company	High
	Admin Home (frontend)	admin home display	High
	Page pagination	8 search results per page, user can go to next page to view more results	Low
Non-functional	Deployment	on Heroku	High
	Testing	test for every functionalities our website have	High
	Meeting Minutes	keep a record of our meetings	High
	Trello	assign work for each team member	High
	Design diagrams	draw design diagrams	High

2. Sprint 2 Review

	I want to <Do something>	So that	Status
Functional	Admin edit user frontend	The administrator can edit users' information	Completed
	Admin delete user frontend	The administrator can delete users' accounts if the user no longer work for the company	Completed
	Admin Home (frontend)	admin home display	Completed
	Page pagination	8 search results per page, user can go to next page to view more results	Completed
Non-functional	Deployment	on Heroku	Completed
	Testing	test for every functionalities our website have	Completed
	Meeting Minutes	keep a record of our meetings	Completed
	Trello	assign work for each team member	Not yet completed
	Design diagrams	draw design diagrams	Not yet completed

Team Sprint 3 comments

Our team is happy to announce that we completed all the requirements ahead of our schedule. Throughout the sprint, we have done plenty of code modifications and improvements, we checked the functionalities on our website are workable. We also inspect every detail on our website to make sure the final product is flawless and ready to hand over to our client. Our team members sincerely appreciate the opportunity this subject has offered to us, this experience would really benefit us for our future career.

Reuse Planning

Component	Version	Notes	Documentation
React	17.0.2	Front end framework	https://reactjs.org/
Node js	16.7.0	Node.js is an open-source, cross-platform, back-end JavaScript runtime environment	https://nodejs.org
Material UI	4.12.3	React component for faster and easier web development	https://mui.com/zh/
react-router-dom	5.2.1	Routing webpages (e.g. redirect, navlink, etc)	https://www.npmjs.com/package/react-router-dom
Jason Web Token	N/A	Used for user authorization	https://jwt.io/
Js cookie	N/A	HTTP cookies are small blocks of data created by a web server while a user is browsing a website and placed on the user's computer or other devices by the user's web browser.	https://github.com/js-cookie/js-cookie
Passport	N/A	A comprehensive set of strategies support authentication using a username and password	http://www.passportjs.org/