## COMP 693 Industry Project Weekly Journal

*This template is provided for your use. You may adjust the formatting to suit your style, but ensure all content remains intact. Please remove any instructional text in italics.*

*Each weekly journal entry should be dated and ideally is around half a page in length. However, you are welcome to write more, especially in the reflection section, for your own benefit.*

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| Project Details | |
| Student Name | Sue Raisianzadeh |
| Student ID | 1161048 |
| Project Title | FieldBase |
| Project Type | *Industry project* |

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| Week 3: *{enter date range}* | | | |
| Tasks Completed and Time Spent on each Task | Meating with Dave(project owner): 4.5 hours  Completed and edited my proposal: 7 hours  Set up the React Vite environment and configured TypeScript setting 2 hours.  Edited some part of user stories : 0.5 hours searched 3 files and a book that Dave gave me, related to pages):  1 hours  Tried to Install ubuntu, but it didn’t work properly. After an hour I decided to remove it and reinstall it 1.5 hours | | |
| Project Hours this week |  | **Sum of Total Project Hours (incl. prior week’s hours)** | 16.5 hours |
| Plans/Goals for Next Week | Complete the login functionality, including database connection and error handling | | |
| Reflections | **What has gone well?** This is a really big project, and there are lots of challenges for me in it. The project is mostly backend with lots of databases. I had a meeting with Dave (the project owner) on the 27th of November at their branch in Auckland. It took 4.5 hours and was super useful because I figured out what they want me to do. Of course, some things needed more explaining, so we decided to stay in touch while I’m working on the project. I edited the wireframes, completed some important pages, and updated the user stories based on the meeting. I’m waiting for Dave’s feedback.  **What hasn’t gone as expected?** Because of a family emergency, it’s been really hard to focus on my work, but I’ve done my best. I created React Vite from scratch and drew a wireframe for the sidebar, keeping in mind what Dave wanted. I also started working on creating the sidebar with dropdown lists.  **What changes do I need to make for next week?** I need to install Ubuntu to work on the project in a Linux environment and finish the login page with all the options included.  **Any good practices I should make sure I continue?** Definitely working on the database and figuring out how to connect the backend to the frontend. It’s been a good learning process, and I want to keep building on that.  **Anything that is (or might) cause me not to make the progress I expect next week?** The only thing I can think of is if I run into issues installing Ubuntu or setting up the Linux environment. Also, data connection and server errors might slow me down, but I’ll do my best to stay on track. | | |
| Project Health | *Enter Green, Orange or Red (Green means all good, Orange means there are some issues, Red means there are stumbling blocks to progress needing urgent attention.) Green* | | |
| Issues Arising | ***Detail any major issues that have arisen.*** It’s been ok so far, no major issues have come up yet. | | |
| Strategy to Resolve Project Health and Issues Arising | *If your project health has been rated as orange or red for two weeks or more, or if any major issues have arisen, outline Your strategy for resolution. This may include discussions with the Host or COMP staff. For serious concerns, you must escalate the issue to the attention of the Examiner.* | | |

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| Week 4: *{enter date range}* | | | |
| Tasks Completed and Time Spent on each Task | Created the sidebar component with dropdown menus: 4 hours.  Worked on the login page and its options (remember me, hide/show password, forget password) and connected the login form to the database: 12 hours | | |
| Project Hours this week |  | **Sum of Total Project Hours (incl. prior week’s hours)** | 15 hours |
| Plans/Goals for Next Week | Finalize the registration page and implement email notification functionality | | |
| Reflections | **What has gone well?** Connected the login form to the database and worked on options like "Remember Me" and "Hide/Show Password."  **What hasn’t gone as expected?** The "Forget Password" feature. I need to code for sending reset password emails. I’m using Nodemailer and got some code from Google, but it’s not working yet.  **Any changes I need to make for next week?** I need to troubleshoot the email sending issue since it’s also needed for other pages, like sending emails to users during registration.  **Any good practices I should make sure I continue?** Keep working on the database—it’s going well so far.  **Anything that is (or might) cause me not to make the progress I expect next week?** Sometimes troubleshooting takes a long time, sometimes more than a day. | | |
| Project Health | *Enter Green, Orange or Red (Green means all good, Orange means there are some issues, Red means there are stumbling blocks to progress needing urgent attention.) Orange* | | |
| Issues Arising | **Detail any major issues that have arisen:** Connecting to the database was really challenging. I had to start from the beginning three times to figure it out. Dave approved using MySQL, but MySQL had some conflicts in, and I couldn’t connect the frontend and backend. I learned that for working with React, I needed to change the database into mysql\_native\_password using some commands. After three tough days of troubleshooting, I finally fixed it. | | |
| Strategy to Resolve Project Health and Issues Arising | *If your project health has been rated as orange or red for two weeks or more, or if any major issues have arisen, outline Your strategy for resolution. This may include discussions with the Host or COMP staff. For serious concerns, you must escalate the issue to the attention of the Examiner.* | | |

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| Week 5: *{enter date range}* | | | |
| Tasks Completed and Time Spent on each Task | **Login Page:** I completed coding for the login page, including some options like hide/visible password, remember me option, and hashing passwords. It took a lot of time because I needed to create a token for each user. This was new for me, so I had to do a lot of Googling to figure out how to make it work properly. The most important thing was to think about the future and ensure that more users can be added without issues. Another option on the login page is the "forget password," which needs to send an email to reset the password. I wrote the code based on what I found on many Google pages and YouTube videos, but it’s still not working. I started working on it last week, and this week I focused on the token and hashing passwords. 13 hours  **Logout and Navbar:** I created a Navbar with a logout option and the company logo on the other side of the Navbar. I also tested it to make sure it’s responsive. This task took me 3 hours.  **Sidebar:** I finished the sidebar last week, but this week I worked on making it responsive. I also added another option, which is toggling the sidebar. This task took me 4 hours.  **Register Form:** I created the register form, which opens when pressing "Add User" from the sidebar. This task took me 1.5 hour | | |
| Project Hours this week |  | **Sum of Total Project Hours (incl. prior week’s hours)** | 21 hours |
| Plans/Goals for Next Week | **Troubleshooting:** There is still an error: after navigating from the login page to the sidebar and main page, it redirects back to the login page when refreshing the page. I will work on fixing this issue next week.  **Registration Page and Related Features:** I plan to complete the registration page and all the options and pages related to it. Admins should be able to register users with different roles, and their information should be saved in the table below the registration form. Their information should also appear in their specific pages, where it will be searchable, editable, and deletable. Admins should also be able to change user roles and see the updated roles in both the pages and the table under the registration page. Additionally, after registering, an email should be sent to the user to inform them about their account. | | |
| Reflections | **What has gone well?**   1. Navigating to the next page after login and successfully assigning a token to the logged-in user. 2. Toggling the sidebar and styling it to be responsive. 3. Hashing passwords to enhance security. 4. Adding a logout feature and creating a functional and responsive Navbar.   **What has not gone as expected?** I tried troubleshooting the issue where refreshing the page redirects back to the login page. However, it conflicted with other parts of the code, so I decided to pause working on it for now. I’ll rework on it next week after gathering more information to resolve it without causing additional issues.  **Any changes I need to make for next week?**   1. Troubleshooting the refreshing and redirection issue to ensure it redirects to the correct page after logging in. 2. Creating a hamburger menu to replace the sidebar for small devices to improve user experience. 3- work more on sending email for reset password and registered users    1. Work more on sending emails for resetting passwords and for registered users.   **Any good practices I should make sure I continue?** Continuing to focus on responsive design, implementing security features like password hashing, and testing features thoroughly to ensure they work seamlessly.  **Anything that is (or might) cause me not to make the progress I expect next week?** Potential challenges include troubleshooting the redirection issue without breaking other parts of the code and implementing the hamburger menu efficiently while maintaining responsiveness across devices. However, I plan to research and approach these systematically to minimize delays. | | |
| Project Health | ***Enter Green, Orange or Red (Green means all good, Orange means there are some issues****,* ***Red means there are stumbling blocks to progress needing urgent attention.)***  *between green and orange* | | |
| Issues Arising | ***Detail any major issues that have arisen.***  The main issue is that after navigating from the login page to the sidebar and main page, refreshing the page redirects back to the login page. I also faced challenges in troubleshooting this issue as it conflicted with other parts of the code, so I decided to leave it for now and revisit it next week with more research. Another issue is that the "Forgot Password" feature is not working yet, even though the code was implemented. | | |
| Strategy to Resolve Project Health and Issues Arising | ***If your project health has been rated as orange or red for two weeks or more, or if any major issues have arisen, outline Your strategy for resolution. This may include discussions with the Host or COMP staff. For serious concerns, you must escalate the issue to the attention of the Examiner.***  I will keep researching by using Google and watching videos on YouTube to solve the issues. If I can’t figure it out on my own, I’ll ask for help from you or the Host. I believe with this approach, I can fix the issues and keep the project moving forward. | | |

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| Week 6: *{enter date range}* | | | |
| Tasks Completed and Time Spent on each Task | 1. Registered roles for group admins, field staff, and team leaders – 5 hours 2. Added, edited, and deleted roles – 4 hours 3. Worked on the search functionality for group admins – 5 hours 4. Had a meeting with Dave, the project owner – 40 minutes 5. Registered volunteers and managed their data (add, edit, delete) – 2 hours | | |
| Project Hours this week |  | **Sum of Total Project Hours (incl. prior week’s hours)** | 16.40 hours |
| Plans/Goals for Next Week | 1. Fix the small issues related to the search and changing the role of members. I plan to resolve all of them by Tuesday next week. 2. Start coding for the project navigation item, which includes:  * Creating a new project * Showing it on the map * Uploading a Word document with editing permissions  1. Code the objectives section, which will include lists of goals related to each project. This needs a specific form to determine what tasks need to be done for a specific project | | |
| Reflections | **What has gone well?**   * Registered roles for group admins, field staff, and team leaders. * Added, edited, and deleted roles successfully. * Made progress on the search functionality.   **What has not gone as expected?** Changing the roles of members. I’m still working on it. It was working properly, but Dave changed his mind, so I had to adjust the pages and codes. This took more time, and I’m still struggling with navigating roles to their specific pages after changes. Each role has its own page, and ensuring smooth navigation has been a challenge.  **Any changes I need to make for next week?** I need to focus more on the backend and avoid repeated code.  **Any good practices I should make sure I continue?**   * Always checking the backend with each part of the code. * Using console.log and browser console errors for troubleshooting.   **Anything that is (or might) cause me not to make the progress I expect next week?** I’ve worked on the register page and related pages twice because Dave changed his mind. While his ideas improved the design, it would have been better to know them earlier. Initially, he was happy with the code and wanted me to follow their existing structure. But later, he realized it’s better to separate volunteers from other roles and remove the table of all members under the register form. Now, I have a form page and separate pages for each role, and I’m working on the volunteer page separately. | | |
| Project Health | *Enter Green, Orange or Red (Green means all good, Orange means there are some issues, Red means there are stumbling blocks to progress needing urgent attention.) Green* | | |
| Issues Arising | *Detail any major issues that have arisen.* The only major issue was related to Dave changing his mind about the design and structure. I had to adjust the code and pages based on his feedback. While his suggestions were good, implementing these changes took extra time. | | |
| Strategy to Resolve Project Health and Issues Arising | *If your project health has been rated as orange or red for two weeks or more, or if any major issues have arisen, outline Your strategy for resolution. This may include discussions with the Host or COMP staff. For serious concerns, you must escalate the issue to the attention of the Examiner.* | | |

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| Week 7: *{enter date range}* | | | |
| Tasks Completed and Time Spent on each Task | 1. **Troubleshooting Staff and Volunteer Pages** 4 Hours I fixed an error in staff registration and role changes. Admins should be able to edit, delete, and change roles, even in search results. I resolved all these issues by Tuesday this week. 2. **Working on the Create Project Page** 12 hours On this page, I added features to:  * Display the project address on Google Maps. * Implement an autocomplete function for the address. * Upload a project picture and an induction file. * Use a calendar for selecting the project start date. * Ensure the project name is unique. * Add a list of objectives related to the project.  1. **Creating Database Tables** Half an hour I created tables for projects, objectives, and a project\_objectives table to connect projects and their objectives. 2. **Setting Up Google Cloud Console** 3 hours I created an account in the Google Cloud Console to get API keys for Google Maps and Places. 3. **Fixing Email Issues** 2 hours I worked on sending emails to staff for registration notifications and for admins to reset their passwords if forgotten. I faced issues for a few days because Gmail required an App Password instead of the regular account password. After generating a 16-character App Password in Gmail settings, the email functionality now works properly. | | |
| Project Hours this week |  | **Sum of Total Project Hours (incl. prior week’s hours)** | 21.5 hours |
| Plans/Goals for Next Week | 1. **Improve Add Project Page**  * Review all options on the Add Project page. * Enhance the style of the page to improve user experience.  1. **Display and Manage Created Projects**    * Work on showing created projects on the search page.    * Add edit and delete options for projects.    * Style the page for better user engagement. 2. **Add Objectives Form**    * Develop the form for adding objectives.    * Display the objectives on the Add Objective page. 3. **Develop Risk Form and Tables**    * Work on the Risk Form and create tables related to risk management | | |
| Reflections | **Improve Add Project Page**   * Review all options on the Add Project page. * Enhance the style of the page to improve user experience.   **Display and Manage Created Projects**   * Work on showing created projects on the search page. * Add edit and delete options for projects. * Style the page for better user engagement.   **Add Objectives Form**   * Develop the form for adding objectives. * Display the objectives on the Add Objective page.   **Develop Risk Form and Tables**   * Work on the Risk Form and create tables related to risk management.   **What has gone well?**  Successfully implemented the email-sending functionality.  Obtained the Google Maps and Places API key to display the map and location in the Add Project page.  Created database tables for projects, objectives, and project\_objectives to support the Create Project page functionality.  Developed a modal for selecting objectives to associate with projects.  **What has not gone as expected?** The project owner requested a feature for admins to upload, edit, and save document files online. I couldn't find a way to allow online editing directly; the current option is to download and re-upload files. I explored Google Docs for this functionality and am still working on it.  **Any changes I need to make for next week?** I have a meeting with Dave, the project owner, next week to gather feedback and ideas. Based on the meeting, I might need to adjust the Add Objective form and possibly other elements of the project page.  **Any good practices I should make sure I continue?**   * Resolving technical challenges, such as the email-sending issue. * Working with Google Cloud Console and its libraries, which has made coding tasks easier and more efficient.   **Anything that is (or might) cause me not to make the progress I expect next week?** If Dave changes his requirements for the project page or introduces new ideas for making the pages more dynamic, it could require significant adjustments. However, I have built the page based on his initial file and advice. | | |
| Project Health | *Enter Green, Orange or Red (Green means all good, Orange means there are some issues, Red means there are stumbling blocks to progress needing urgent attention.) Green* | | |
| Issues Arising | ***Detail any major issues that have arisen.***  I am trying to find a solution to enable editing a document file online, as requested by the project owner. Currently, the available options allow downloading and re-uploading the file, but I am exploring tools like Google Docs to implement the required functionality. | | |
| Strategy to Resolve Project Health and Issues Arising | *If your project health has been rated as orange or red for two weeks or more, or if any major issues have arisen, outline Your strategy for resolution. This may include discussions with the Host or COMP staff. For serious concerns, you must escalate the issue to the attention of the Examiner.* | | |

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| Week 8: *{enter date range}* | | | |
| Tasks Completed and Time Spent on each Task |  | | |
| Project Hours this week |  | **Sum of Total Project Hours (incl. prior week’s hours)** |  |
| Plans/Goals for Next Week |  | | |
| Reflections | What has gone well?  What has not gone as expected?  Any changes I need to make for next week?  Any good practices I should make sure I continue?  Anything that is (or might) cause me not to make the progress I expect next week? | | |
| Project Health | *Enter Green, Orange or Red (Green means all good, Orange means there are some issues, Red means there are stumbling blocks to progress needing urgent attention.)* | | |
| Issues Arising | *Detail any major issues that have arisen.* | | |
| Strategy to Resolve Project Health and Issues Arising | *If your project health has been rated as orange or red for two weeks or more, or if any major issues have arisen, outline Your strategy for resolution. This may include discussions with the Host or COMP staff. For serious concerns, you must escalate the issue to the attention of the Examiner.* | | |

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| Week 9: *{enter date range}* | | | |
| Tasks Completed and Time Spent on each Task |  | | |
| Project Hours this week |  | **Sum of Total Project Hours (incl. prior week’s hours)** |  |
| Plans/Goals for Next Week |  | | |
| Reflections | What has gone well?  What has not gone as expected?  Any changes I need to make for next week?  Any good practices I should make sure I continue?  Anything that is (or might) cause me not to make the progress I expect next week? | | |
| Project Health | *Enter Green, Orange or Red (Green means all good, Orange means there are some issues, Red means there are stumbling blocks to progress needing urgent attention.)* | | |
| Issues Arising | *Detail any major issues that have arisen.* | | |
| Strategy to Resolve Project Health and Issues Arising | *If your project health has been rated as orange or red for two weeks or more, or if any major issues have arisen, outline Your strategy for resolution. This may include discussions with the Host or COMP staff. For serious concerns, you must escalate the issue to the attention of the Examiner.* | | |

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| Week 10: *{enter date range}* | | | |
| Tasks Completed and Time Spent on each Task |  | | |
| Project Hours this week |  | **Sum of Total Project Hours (incl. prior week’s hours)** |  |
| Plans/Goals for Next Week |  | | |
| Reflections | What has gone well?  What has not gone as expected?  Any changes I need to make for next week?  Any good practices I should make sure I continue?  Anything that is (or might) cause me not to make the progress I expect next week? | | |
| Project Health | *Enter Green, Orange or Red (Green means all good, Orange means there are some issues, Red means there are stumbling blocks to progress needing urgent attention.)* | | |
| Issues Arising | *Detail any major issues that have arisen.* | | |
| Strategy to Resolve Project Health and Issues Arising | *If your project health has been rated as orange or red for two weeks or more, or if any major issues have arisen, outline Your strategy for resolution. This may include discussions with the Host or COMP staff. For serious concerns, you must escalate the issue to the attention of the Examiner.* | | |

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| Week 10: *{enter date range}* | | | |
| Tasks Completed and Time Spent on each Task |  | | |
| Project Hours this week |  | **Sum of Total Project Hours (incl. prior week’s hours)** |  |
| Plans/Goals for Next Week |  | | |
| Reflections | What has gone well?  What has not gone as expected?  Any changes I need to make for next week?  Any good practices I should make sure I continue?  Anything that is (or might) cause me not to make the progress I expect next week? | | |
| Project Health | *Enter Green, Orange or Red (Green means all good, Orange means there are some issues, Red means there are stumbling blocks to progress needing urgent attention.)* | | |
| Issues Arising | *Detail any major issues that have arisen.* | | |
| Strategy to Resolve Project Health and Issues Arising | *If your project health has been rated as orange or red for two weeks or more, or if any major issues have arisen, outline Your strategy for resolution. This may include discussions with the Host or COMP staff. For serious concerns, you must escalate the issue to the attention of the Examiner.* | | |