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| **Journal Submission 4**  **Student name: Kawthar Mohammad Adam**  **Student email address: km2065@hw.ac.uk**  **Date of submission: 25/09/2024** | |
| **Title of dissertation and brief description** | Coursework Submission Deadline Visualiser System. A website for helping students submit their coursework on time. It will have a progress meter to visualise the progress, something like a project management tool. |
| **Communicating with supervisor** | * 22/09/2024: Regarding journals |
| **References consulted** | * YouTube: Tutorials on JavaScript ([JavaScript 6:13:00](https://www.youtube.com/watch?v=lI1ae4REbFM)) and React ([React Long](https://www.youtube.com/watch?v=CgkZ7MvWUAA)) ([React](https://www.youtube.com/watch?v=LDB4uaJ87e0)) * F21RP Report: For requirements * Google: Assistance for front-end development and solving issues * Node js Documentation: For issues like navigation and Recaptcha * [Animated Underline Hover Effect](https://codepen.io/hariz_ms/pen/xxzprgy): For getting the hover effect * Figma: Design reference * <https://prateeksurana.me/blog/integrating-recaptcha-with-next/>: For reCAPTCHA * <https://forum.freecodecamp.org/t/radio-buttons-in-a-group/517481/10>: For radio buttons * <https://www.reddit.com/r/neocities/comments/1bxeueu/how_to_keep_sidebars_from_overlapping_main/>: For fixing the menu overlapping problem (solution: flexbox) * <https://nextjs.org/docs/messages/next-router-not-mounted>: For fixing errors * [Build a Kanban Board in React: A Step-by-Step Tutorial - YouTube](https://www.youtube.com/watch?v=SJTazZUQVDE&t=429s): for kanban board * <https://www.newline.co/fullstack-react/assets/media/sGEMe/MNzue/30-days-of-react-ebook-fullstackio.pdf>: react pdf tutorial |
| **Tools**  **explored/used** | * Jira: For Scrum * GitHub: For version control and backup * Visual Studio Code and its plugins: For coding jsx and css * Google Chrome: For viewing the website * Terminal: To run the next js app using command “npm run dev” * Figma: To get the design * ChatGPT: To help resolve errors in code * Google reCAPTCHA: for recaptcha |
| **Other work carried out** | * Front-end created for pre-login pages and 80% student portal * Tutorials on JavaScript and React * Version control and backup on GitHub * Project management on JIRA and Confluence * Reviewing front-end code to ensure it is compatible with the back-end |
| **Plan the next 2 to 3 weeks** | * Within one week I will complete the entire front-end (including staff) * Schedule a meeting with supervisor after completing front-end * Start back-end and database * APIs * Send invitations for testing * Merge front-end with back-end * Plan testing strategy |
| **Overall Reflection\n** | Again, running behind. Had to complete front-end by 15th September but it turned out to be more time-consuming than expected. Each page took at least 45 mins and the starting pages and components took almost 2 hours. The kanban board was very difficult. Also the side navigation. Unfortunately, I couldn’t complete the front end (still have the entire staff portal remaining). However, I plan to complete it before September ends and October will be for backend and November for testing and report. I have decided to use next js for the backend. |
| **Additional section** | Overall:   * Complete front-end before end of september * Backend in October * Send testing invitations * Prepare testing plan * Use Next js for backend * Think about the database (might require schema and ER diagrams) |