**Solution Checklist**

**Use this checklist to make sure your potential client solution meets the following requirements.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Your name and your DECV student Id.** | | | | |
| **Name:** | **Harry Jacka** | | **DECV Student Id:** | **90765** |
| **Your client’s name and suburb the client is located.** | | | | |
| **Client name:** | **Little Sophia Kindergarten** | | **Suburb (Postcode):** | **3067** |
| **BACKGROUND**  **Give a brief background of your client and the current process that you need to resolve.** | | | | |
| **Little Sophia kindergarten is a kinder in Abbotsford. Currently in use is a timesheet system using manual paper sheets to log employee hours, then pay is calculated manually.** | | | | |
| **OPPORTUNITY**  **What are the client’s needs?** | | | | |
| **The client has requested a website that the employees can use so log arrivals, departures, and overtime, then allow the administrator to view analysed data to be used to calculate pay.** | | | | |
| **OBJECTIVES**  **Specify in point form what the requirements are for your client.** | | | | |
| * **Employee page for logging abnormalities in work time**   **(if arrival/departure/overtime/lunch are different to expected)**   * **Employer page for displaying analysed data on work hours and pay** * **Archive functionality** | | | | |
| **Feature** | | **Explain where or how this feature appears in your solution.** | | |
| **What data will be stored by your system?** *(What type of data do you need to collect for your client’s need?)* | | **Work hours (from arrival to departure, and overtime), and lunch or other breaks will be stored; however only abnormalities need to be entered by the user (missed lunch/arrived late)** | | |
| **What data would be retrieved from within your system?**  *(How does the client want to review information? For example, on screen, by report, etc.)* | | **After the end of each fortnightly cycle, a summary of hours for each or all employees will be generated, past summaries can also be accessed** | | |
| **What features will allow your client to edit data within your system?**  *(Does your client need contain data that can be entered, edited, or deleted?)* | | **If incorrect data was entered by an employee, it can be amended before the end of the fortnight by the employee (and after by the employee (or administrator)** | | |
| **What type of user interface will the client system have?**  *(How are the screens for the client going to look? Also, is the system going to be run on a tablet, desktop or app?)* | | **I may create a web api that a desktop/phone app can hook into, in addition to the web interface** | | |
| **Explain how or where your client system will use sorting data?**  *(What will require the client to sort the data? For example, should the data on the screen be sorted alphabetically?)* | | **Different sorting methods of employees can be selected (alphabetically/work hours/specific work days)** | | |
| **What feature, at least one, will run either a linear, binary search, or contain some code that is complex in the system?**  *(Does your system contain a complex need that requires some sort of algorithmic or search to resolve the need?)* | | **Password login for administrator and optionally for employees (if the system is deployed, an NFC system would be added as an alternative to the password system)** | | |

|  |
| --- |
| **Name: Harry Jacka** |
| **Date Submitted:** |