Project Initiation Document

**KV6003– Individual Project**

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| Student Name | **Family Name**  **SOUTHWARD** | **Other names**  **JAKE** | **Usually known as**  **JAKE** |

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| **Project Supervisor :**  Yilun Shang |
| **Aim of project :**   * Develop a web service/app using HTML, JavaScript, PHP, MSQL. * Investigate if hospital/care home alert systems could be improved with the use of a web application * Explore how the app could be scalable and configurable by each institutions specific needs. (Potentially with the use of cloud computing) |
| **Rationale for project :**  The current system for patient call systems leaves the staff to prioritise patient care based on who alerted staff first. With the use of an app more details can be available to the staff to prioritise care. For example one patient may be experiencing extreme pain whereas another may have a question for a member of staff, with the system I plan to develop brief information will be available for the staff allowing specific prioritisation. |
| **The main challenge is :**   * Real time updating calls as they are made from the patient, for the staff to respond to. * Scaling to work for multiple businesses/industries with unique requirements. * Overcoming any ethical concerns throughout the project, patient welfare, confidentiality. |
| **Type of product to be produced or investigative work to be undertaken:**  Web based application/ web service |
| **Resources required :**   * A web server. * A mysql database. |
| **Any external body involved ? If so, who ?**   * Interview or questionnaire to people in medical/ care home field |
| **Signatures :**  **Student : Jake Southward Supervisor :** Yilun Shang |