# Project overview

## 3.1 Reason for the Project

Saint Albert Hospital is a hospital in Auckland that offers private healthcare services to its patients. Since the hospital serves for more and more people, now it has a range of issues.

* The hospital is now using a paper-based system. It will be not as efficient due to an increasing number of patients.
* The current system does not retain the payment records of patients.
* The hospital hopes to provide accurate information about admission cost to its patients.

Our main objective is to create a reliable, stable, and easy-to-use system for Saint Albert Hospital, which allows the hospital to record and track the patient’s admissions. The hospital will expect these benefits through the new system:

* Increase hospital’s efficiency
* Increase patient’s satisfaction
* Attract more patients to come

## 3.2 Business Requirements

|  |  |  |
| --- | --- | --- |
| **ID** | **Requirement Statement** | **Priority** |
| BR1 | Payroll clerk can add, update, and delete doctor, and produce doctor report. | High |
| BR2 | Pharmacy administrator can add, update, and delete medication, and prescribe/remove medication to/from admission. | High |
| BR3 | Facilities administrator can add, update, and delete ward. | High |
| BR4 | Assistant administrators can add, update, and delete patient, and produce patient report, and record payment of the patient. | High |
| BR5 | Assistant administrators can add, update, delete and close admission, and allocate/remove doctors to/from admission, and produce invoice for admission. | High |
| BR6 | Research administrator can add and remove research project. He can also add, update, and delete research topic. | Low |

## 3.3 Resource Requirements and Costs

|  |  |
| --- | --- |
| **Description of Resource** | **Costs** |
| labour for developers (6 team members) | $20000/month |
| laptop or desktop computers (6 to 8 sets) | $14000 |
| database server (Heroku) | $25/month |
| project management tools (Asana) | $49/month |
| coding tools (PhpStorm) | $199/year |
| version control tools (Git) | Free |

## 3.4 Risks

| **ID** | **Risk** | **Description** |
| --- | --- | --- |
| R1 | Data loss | Data may lose during database transferring or due to hardware device damage. |
| R2 | Personnel transfer of developers | Team member leaves his job position due to illness, holiday, or resignation can lead to project delay or suspension. |
| R3 | Quality risk | The quality of outputs may not reach the customer’s expectation. |
| R4 | Legal risk | The project may face legal problems. |
| R5 | Information security | Project info may be intercepted or stolen. |

(Spacey, 2017)

## 6.1 Stakeholder Impact

| **Stakeholder** | **Impact** |
| --- | --- |
| Customer (Saint Albert Hospital) | Improve hospital’s efficiency and patient’s satisfaction  Increase hospital’s popularity and reputation |
| Project Manager | Accumulation of management experience and confidence |
| Project Team Member | Increase individual skills and teamwork consciousness |
| Project Consultant (lecturer, advisor) | Know about project issues and be able to give more solutions in future |
| Project Sponsor (Unitec) | Increase popularity and reputation |

(What is a Stakeholder in Project Management?, n.d.)

## 6.2 Social and Culture Impact

| **Culture or Social** | **Impact** | **H / M / L** |
| --- | --- | --- |
| Social | If the new system is recommended by the society, other healthcare institutes may imitate it. | High |
| Culture | People are more aware of financial management when they know the accurate information on admission costs. | Medium |

# References

Spacey, J. (2017, 2 25). *39 Examples of Project Risk*. Retrieved from https://simplicable.com/new/project-risk-examples

*What is a Stakeholder in Project Management?* (n.d.). Retrieved from https://www.wrike.com/project-management-guide/faq/what-is-a-stakeholder-in-project-management/