**ITC303**

**Project Proposal**

**ABC’s Inventory Management System**

**Summary Project Information**

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| --- | --- |
| Project Name and Group Size | ABC’s Inventory Management System (3 members) |
| Project Members | Shirish Maharjan, Hieu Hanh Tran, Arik Maharjan |
| Quick Project Summary | Make warehouse and store inventory more efficient by making it digital. |
| Looking for additional members? | No |
| Work-related? | Yes |
| Sponsor | Dr Mahsa Razavi |

**Short Project Description**

ABC is a retail company selling men’s clothing in New South Wales. The company has been growing rapidly, hence requires their warehouse system to be upgraded. The purpose of this project is to provide a digitized inventory management system for ABC. When completed the system would benefit the company a lot saving valuable time and cost. Creating a digitized store and warehouse inventory system would allow ABC to get detailed and precise information about the stock movement and stock theft. This would also allow employees to look up current stock contents of the warehouse and each store and then request stock as required. Employees will also be able to send stock digitally i.e. automatically make an update to the database when stock is sent. Moreover, distribution of stock would also be much easier for the warehouse staff as they will know the quantity of each stock for each store.

All in all, this project will make inventory management easier for the company and open a gateway for technology for the company.

**Architecture Outline**

The main architecture components are:

* PC clients
* Server
* User and stock database

**Technology Skill Set**

The following are the expertise of the group in the technology that is required for this project:

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| --- | --- |
| Technology | Group Proficiency |
| MySQL database | Experienced |
| Java | Experienced |
| Sketch | Beginner |
| JavaScript | Beginner |
| XML | Beginner |

**Potential Issues**

The following are the potential issues that might arise:

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| --- | --- |
| Issue | Comment |
| Project Complexity | The project might end up being too complicated to be completed within the timeframe. |
| Feasibility | The project might not be feasible within the timeframe. |
| Group skill | The group does not have much expertise in some of the technology that needs to be used in the project. |
| Personal issues | Personal issues like work commitment, family, health issues could impact the project. |
| Business Data | Group members work in retail environments but only in a frontline customer service role. Therefore, there might not be enough business data to support the project. |
| Study Commitment | Other subject deadlines and exams might affect the schedule of the project. |
| Client Issues | The client does not like the final products. |
| No teamwork | The team members might be working without any synergy between them, always fighting with each other, blaming and passing the buck, without actual focus on the problem. |