Software development project 1

Project Initiation

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## Noobs: Using technology to make doing business easy.

## Team members and contact details

|  |  |  |
| --- | --- | --- |
| **Name** | **Phone number** | **Email address** |
| Hieu Hanh Tran | 0424886789 | tran.hanh3012@gmail.com |
| Shirish Maharjan | 0426708769 | 001shirish@gmail.com |
| Arik Maharjan | 0416471850 | arikmaharjan@yahoo.com |

## Team Mission and Objectives or Goals

Our mission is to save business’ cost and time using technology. In this project we will be developing a system which will make inventory management in stores and warehouse much easier for ABC by digitizing it.

ABC is a clothing brand selling men’s clothing in NSW. We have realized the high level of demands in managing stock allocation and transfer between stores and warehouse for the company because of it’s growth. Technology has never been used for this and hence the whole system needs to be built from scratch.

The specific goals and or outcomes that we are hoping to achieve over the life of the team include:

* + Interview store managers and warehouse managers to identify the current process of stock allocation and transfers. More information about the business as a whole is also to be gathered interviewing staffs from various departments. This Survey needs to be completed and presented to the team by 5th March 2018.
  + Conduct discussions and brain storming sessions among team members to discuss ideas, assign tasks during various iterations and present the results of the research conducted. Various documents including the Project Vision, Initial Requirement Model, Proposed Architecture, Risk List, Master Test Plan, Initial Project Plan, Technical Competency Demonstrator, and the inception Phase Project Status Assessment should be presented to the project manager by 1st April 2018.
  + Revisions on the presented documents are to be conducted on every iteration. Revised Project Vision, Revised Requirement Model, Final Architecture, Revised Risk List, Revise Master Test Plan, Executable Architecture, Evidence of Testing, Revised Project Plan, and Elaboration Phase Project Status Assessment should be presented to the Project Manager by 1st June 2018.
  + After all the documentations have been reviewed and accepted by the Project Manager, team members are to conduct the construction phase of the project. This includes development of the system and testing. The final product needs to be presented to the Project Manager by 1st Nov 2018.
  + The final product after getting tested and approved by the project manager is to be presented to the sponsor by 6th November 2018.
  + Complete all task with high standards and within the timeframe.
  + Develop outstanding communication skills.
  + Conduct the project as a team and understand the value of teamwork.
  + Help team members and learn from them to improve technical skills as well as professional knowledge during the course of the project.

## Potential Barriers

* + Disorganization of team members.
  + Members not meeting deadlines.
  + Inefficient task scheduling and delegation.
  + Personal, time constraints, technological problems.
  + Poor communication within the team.
  + Insufficient business and technical knowledge.
  + Conflict of ideas between team members.

## Team Member Skill Inventory

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Skills and Knowledge** | **Roles and Responsibilities** | **What skill do I want to improve?** |
| Shirish Maharjan | * Interpersonal skills * Social intelligence * Open-mindedness * Motivational * Presentation skills * Problem solving * Data Analytics * Delegation * Programming * Software design | * Manages the project and team members. (Project Manager) * Collect data and analyse the problem to develop the system. (System Analyst) | * Technical skills like programming, software design and project management. |
| Hieu Hanh Tran | * Programming * Software design * Debugging * Data Analytics * Database design and management * Network design * Data security | * Developing and coding the system. (Lead Software Developer) * Database design representative.   (Database and Security Expert) |  |
| Arik Maharjan | * Communication skill * Social media experience * Interpersonal skill * Customer support * Troubleshooting * Documentation * Programming * Software Design | * Communications coordinator (Marketing Manager) * Editor * Software Developer |  |

## Team Communications

***Meeting Times & Location*** Excellent communication between team members is one of the important factors to a successful project. What better way to communicate ideas and views than face to face meetings and online meetings. The following are the meeting times that have been agreed upon:

* + - 9:00PM - 12:00PM every Wednesday on campus.
    - 12:30PM - 5PM every Thursday on campus.
    - 7:00PM - 10:00PM every Monday online.

The following are the communication methods and version control method for the project:

* + - Face to face discussion in team meetings.
    - Telegram application for updates and quick messaging.
    - Gmail and yahoo for email.
    - GitHub for version control and one drive for documentation back up.
    - Using Charles Sturt Video Conferencing tool for online meetings.

## Team Rules & Expectations

The following are the rules and regulation that will strictly be followed throughout the duration of the project (New rules may be added later on if necessary):

* If a team member does not contribute to a team assignment or does not finish the assigned tasks within the due date without genuine reason, their position in the team will be discussed and if worse comes to worse their name will be left off the final posting of the project.
* The deadline for the tasks will be assigned every Wednesday and will be due the next Monday.
* Team members must check in with the team and the team GitHub repository every day or every other day, so that everyone stays up to date on the project.
* Every team member must clarify their issues with conducting their task before the acceptable date so that enough time is on hand to solve the issue.
* Before attending the online meeting every Monday, team members must finish their tasks completely so that the works can be reviewed and changed if necessary.
* Every team member must upload their work and work in progress on GitHub so that their work can be assessed and reviewed while on progress.
* Meeting minutes must be written during every meeting session and must be uploaded on the GitHub repository for future reference.
* Team member must attend every meeting session unless they present a genuine reason for not being able to attend the meeting.
* Team members must stay committed throughout the duration of the team assignment and provide genuine feedback about the assignment. Posting such as “I don’t have time to review. This is fine – fix whatever you want then feel free to post the final” is not acceptable. Late reviews such as posting reviews on Sundays when final posting is due Monday is not acceptable. Reviews are best to be posted as soon as works have been posted on GitHub by a team member.
* It is advised that team members select ‘Watching’ on the repository. This way you will be sent an email every time someone makes changes to the repository. Team members are also advised to send a text message on Telegram every time they have posted something on their branch on GitHub.
* After every everything is agreed upon, documents or code are to be pushed to the master branch.
* Positive strong communication between everyone is a must so that everyone is on the same page and up to date.
* Remain professional.
* Use untimely phone calls only as a final mode of communication when there is an issue.
* Every member is expected to participate in the overall work of the team.
* Physical and verbal violence and insult will not be tolerated. If done so, the team member will be reported, and necessary action will be conducted.
* All decisions will be taken by the team. If something cannot be agreed upon, democratic voting will take place for decision making.
* Emergency meeting is to be held if any other issues occur and decision needs to be made.

## Conflict Resolution Mechanisms

Potential conflict sources:

* Team members not meeting their obligations to the team.
* Difference in perceptions of quality work or necessary content.
* Difference in beliefs.
* Work and other personal obligation.

Conflict resolution:

* Within a team, issues will be discussed, and decisions will be made. Only as a last resort instructor will be consulted. As professional teammates, we believe we will be able to resolve any potential conflict.
* To avoid some complications or misunderstandings, team members will stay updated with all the postings within the group.
* Empathetic and humble behavior will be encouraged.
* Team members will encourage each other in times of difficulties and help each other on tasks if confusions arise.
* Once agreed upon, the rules and regulations will strictly be implemented.
* Making sure that everyone is at a good understanding of the assignment when doing them. Everyone will be expected to stay professional and not prejudge immaturely.
* Blame game will be avoided. Instead of dwelling on spoilt milk, dealing with the problem and fixing it to succeed the project as a whole will be encouraged.

## Sign Off

I have participated in the development of this charter and agree to it.

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| Shirish Maharjan | Hieu Hanh Tran | Arik Maharjan |

Date: