Skills and Resource Audit

CITS3200 Team 15 – UniPark Booking System

Preface:

This document outlines the tools that will be used, and the skills required to complete the project. It also highlights which team members have a strength in that skill and which team members require development in that area.

* 1. Required Tools

List here the required tools to complete the project (eg Flask, python, sql, html, js…)

* General
  + Github
  + Unit testing (pytest, unittest)
  + Word doc
  + Google drive
  + Deployment solutions (eg. heroku, digital ocean)
* Backend
  + Python3
  + SQLite
  + Flask (python web development framework)
* Frontend
  + HTML
  + Javascript
    - AJAX
    - JQuery
  + CSS
  + Bootstrap
  1. Required Soft Skills

List here the required professional skills required to successfully complete the project.

* Communication
* Team working
* Conflict resolution
* Organisation
* Time management
* Leadership
* Public speaking / presentation
* Problem solving
* Integrity

2.0 Skills and Resource Audit

| Skill | Description | Relative  Strength | Development Required |
| --- | --- | --- | --- |
| Technical Skills | | | |
| Github | Uploading code by pulling and pushing branches and merging branches together to form a final version. Saving incrementing steps in work by committing to the current branch. | Angus  Iffah  Thomas | Chauntelle  Elon  Qiulan |
| Unit testing | Automated tests written to ensure that a section of an application meets its design and behaves as intended. |  | Angus  Chauntelle  Elon  Iffah  Thomas  Qiulan |
| Word document | Writing and editing on Microsoft Word. Important skill needed for documentation. | Angus  Chauntelle  Elon  Iffah  Thomas  Qiulan |  |
| Google drive | Internet hosting for software development and version control using Git. | Angus  Chauntelle  Elon  Iffah  Thomas  Qiulan |  |
| Deployment solutions | The process of installing, configuring, and enabling a specific application or set of applications. In this context, deploying the app so it is available over the internet. |  | Angus  Chauntelle  Elon  Iffah  Thomas  Qiulan |
| Python3 | Python is an interpreted high-level general-purpose programming language. | Angus  Chauntelle  Iffah  Thomas | Elon  Qiulan |
| SQLite | SQLite is a relational database management system contained in a C library. In contrast to many other database management systems, SQLite is not a client–server database engine. Rather, it is embedded into the end program. SQLite generally follows PostgreSQL syntax. | Angus  Iffah  Thomas | Chauntelle  Elon  Qiulan |
| Flask | Flask is a micro web framework written in Python. It is classified as a microframework because it does not require particular tools or libraries. It has no database abstraction layer, form validation, or any other components where pre-existing third-party libraries provide common functions. | Angus  Iffah  Thomas | Chauntelle  Elon  Qiulan |
| HTML | The HyperText Markup Language, or HTML is the standard markup language for documents designed to be displayed in a web browser. | Angus  Iffah  Thomas | Chauntelle  Elon  Qiulan |
| Javascript | JavaScript, often abbreviated as JS, is a programming language that conforms to the ECMAScript specification. JavaScript is high-level, often just-in-time compiled, and multi-paradigm. It has curly-bracket syntax, dynamic typing, prototype-based object-orientation, and first-class functions. |  | Angus  Chauntelle  Elon  Iffah  Thomas  Qiulan |
| CSS | Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a markup language such as HTML. | Angus  Iffah  Thomas | Chauntelle  Elon  Qiulan |
| Bootstrap | Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains CSS- and JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components. | Iffah  Thomas | Angus  Chauntelle  Elon  Qiulan |
| Soft Skills | | | |
| Communication | Expressing ideas to team members and communicating professionally to clients | Angus  Chauntelle  Iffah  Thomas | Elon  Qiulan |
| Team working | Engagement in a group environment | Angus  Chauntelle  Elon  Iffah  Thomas  Qiulan |  |
| Conflict resolution | Handling conflicts within a group | Angus  Elon  Thomas | Chauntelle  Iffah  Qiulan |
| Organisation | The ability to manage a set of tasks and have them completed in a timely manner. | Chauntelle  Elon  Iffah  Thomas | Angus  Qiulan |
| Time management | Organising and ensuring deadlines are met so the project is delivered on time | Chauntelle  Elon  Thomas | Angus  Iffah  Qiulan |
| Leadership | Leading and organising group meetings | Angus  Thomas | Chauntelle  Elon  Iffah  Qiulan |
| Public speaking/  presentation | The ability to present information in a useful and engaging manner to a group of people you may or may not know. | Angus  Thomas | Chauntelle  Elon  Iffah  Qiulan |
| Problem solving | The process of finding solutions to difficult or complex issues. | Angus  Chauntelle  Elon  Iffah  Thomas  Qiulan |  |
| Integrity | The quality of being honest and having strong moral principles. | Angus  Chauntelle  Elon  Iffah  Thomas  Qiulan |  |