

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.

1.0

1.1 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

1.2 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 Qiulan Thomas
Word document	Writing and editing on Microsoft Word. Important skill needed for documentation.	Angus Chauntelle Elon Iffah Qiulan Thomas	
Google drive	Internet hosting for software development and version control using Git.	Angus Chauntelle Elon Iffah Qiulan Thomas	
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 Qiulan Thomas
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 Qiulan Thomas
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 Qiulan Thomas	
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 Qiulan Thomas	
Integrity	The quality of being honest and having strong moral principles.	Angus Chauntelle Elon Iffah Qiulan Thomas	