**Week One**

**Team Profile (5 Marks):**

**Team Profile**

Team Name: Raspberry Java (something that might pique potential employer’s interest)

Personal Information:

Name: Stephen Patrikios

Student Number: 3852734

Background: I was born in Australia and have a Bachelor of Arts.

Hobbies: I enjoy reading and snow related activities.

IT Interests: My interests in IT lie in how the hardware and software of computers improve the users experience.

IT Experience: I have experience working on database development using SQL, website design using html, and systems administration.

We chose *this name* as the team’s name because it reflects the goals and ambitions of the team.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Team Profile Test Outcomes** | | | | | |
|  | The results of an online Myers-Briggs test. | The results of an online learning style test. | The results of one further online test of your choosing. | | |
|  | **Myers-Briggs Test** | **Learning Style Test** | **Big Five Personality Test** | **Leadership Skills Test** | **Career Aptitude Test** |
| Adam |  |  |  |  |  |
| Akhil | Turbulent Mediator INFP-T type | Tactile | Outgoing and social |  |  |
| Alan | Turbulent Mediator INFP-T | Visual | Relaxed and Imaginative |  |  |
| Jack | Commander  ENTJ | Visual |  |  | Most suited to working with computers |
| Jake | Campaigner  ENFP-A | Kinaesthetic-tactile |  | Communicating vision |  |
| Stephen | Protagonist  ENFJ | Visual | Emotionally stable and Conscientious |  |  |

**How is this information helpful to the group?**

The test outcomes for each person reveal a complementary group of people. The Myers-Briggs tests show a group who can be positively lead to a unified set of goals. The tests also show a perfect mix of learning styles for the IT industry and a group of people who are socially communicative, conscientiously imaginative, and love working with all things IT.

**Ideal Jobs:**

Adam -

Akhil – Chief Technical Officer (CTO)

Alan – Software Developer

Jack – Business Development Manager (BDM)

Jake – Penetration Tester

Stephen – Software Developer

**What are the common elements (if any)?**

All of the jobs are team based positions requiring great personal skills to either work with others or manage them. They also require a rounded knowledge to ensure effectiveness.

**What differentiates each position from the other (if anything)?**

One big difference would be that the CTO and BDM require more frequent face-to-face time with team members or clients than the others.

**How similar or different are the career plans of the group?**

The career plans are similar in that we are all expecting to gain the skills required for these positions whilst completing the Bachelor of Information Technology at RMIT.

**Tools (5 Marks):**

**Group’s website:** https://group-A2-8.github.io/Assignment2/

**Group’s Git repository and included a link to it:** https://github.com/Group-A2-8/Assignment2

**You have made clear and appropriate comments about your group’s log of activity.** Your comments on how well the audit trail on the Git repository reflects your group’s work. You will presumably only be able to do this close to the time of submission.

**Any other tool, platform, service used is also discussed:** MS Teams, GitHub, MS Word, MS Outlook, Canvas

**Project Ideas (10 Marks):**

|  |  |  |
| --- | --- | --- |
| **Name** | **Project Idea** | **Description of project** |
| Adam |  |  |
| Akhil | Home Automation System Using  Raspberry-Pi | Build a Raspberry Pi unit to control a variety of household electrical items.  **Skills:** Building and coding of Raspberry Pi units. Building and designing of app to control the system in both Android and iOS.  **Pros and Cons:** P-Could utilise the ideal job outcomes of each team member. P&C-Would require building of a physical testing environment. C-Possible costs for physical system. P-Working prototype to show possible investors. |
| Alan | An intuitive reservations system for restaurants | Build an app to personalise customers experience and help restaurants run more efficiently.  **Skills:** Building and designing of app to control the system in both Android and iOS. Network and database design and management for the system. Cloud, database, and security systems management and design.  **Pros and Cons:** P-Could utilise the ideal job outcomes of each team member. P&C-No physical component. C-Retail POS systems required for integration testing. C- Cost of cloud services. P-Easily scalable because of cloud services. |
| Jack | Mathematics iOS app for 6-12 year old's | Build an iOS app to help young children improve their mathematics ability.  **Skills:** Swift and XCode. Marketing. High level of mathematics knowledge.  **Pros and Cons:** C-iOS centric. P-Other members may not have access to Swift so could therefore work on Android version. P-Existence of previous version means it may not have to be completely rewritten. P&C-No physical component. |
| Jake | Household Solar Hydroponic Garden | Build an automated solar powered hydroponic garden.  **Skills:** Building and coding of Raspberry Pi units. Building and designing of app to control the system in both Android and iOS. Network and database design and management for the system. Instruction manual for building of physical system.  **Pros and Cons:** P-Could utilise the ideal job outcomes of each team member. P&C-Would require building of a physical testing environment. C-Possible costs including physical system and site hosting. P-Working prototype to show possible investors. |
| Stephen | Li-Fi system for cafes | Build a Li-Fi system for a cafe.  **Skills:** Building and coding of BeagleBone Black units. Building and designing of app to control the system in both Android and iOS. Network design and management.  **Pros and Cons:** P-Could utilise the ideal job outcomes of each team member. P&C-Would require building of a physical testing environment. C-Possible costs of physical system. P-Working prototype to show possible investors. |

**Things to incorporate in the group project:**

All of our project ideas require an app to be built.

The building of a physical component like a Raspberry Pi would require similar coding skills to the app (at least for an Android version) and broaden our skill set.

Networking, cloud, security, or database design and management should be included.