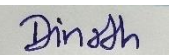


Name: Jayawardena Kavinda

Student Reference Number: 10952523

Module Code: PUSL2023	Module Name: Mobile App Development
Coursework Title: Project Proposal Submission	
Deadline Date: 14-02-2025	Member of staff responsible for coursework: Mr. Diluka Wijesinghe
Programme: BSc. (Hons) in Software Engineering (PU)	
Please note that University Academic Regulations are available under Rules and Regulations on the University website <a href="http://www.plymouth.ac.uk/studenthandbook">www.plymouth.ac.uk/studenthandbook</a> .	
<p>Group work: please list all names of all participants formally associated with this work and state whether the work was undertaken alone or as part of a team. Please note you may be required to identify individual responsibility for component parts.</p> <p>10952523 - Jayawardena Kavinda - Wireframe Diagrams  10952463 - Dulaj Hewage – UI Design / Wireframe Diagrams  10952470 - Unagollage Wijesinghe - Features of the Application  10952545 - Witharamalage Sirimewan - Formatting  10952565 - Pathiranaage Didula Theekshana - Conclusion  10953075 - Duwage Perera - Scope of the Project  10952645 - Chamathka Abeykoon - Problem Definition  10952629 - Rathnayaka Rathnayaka - Scope of the Project</p> <p><b><i>We confirm that we have read and understood the Plymouth University regulations relating to Assessment Offences and that we are aware of the possible penalties for any breach of these regulations. We confirm that this is the independent work of the group.</i></b></p> <p>Signed on behalf of the group: </p>	
<p>Individual assignment: <b><i>I confirm that I have read and understood the Plymouth University regulations relating to Assessment Offences and that I am aware of the possible penalties for any breach of these regulations. I confirm that this is my own independent work.</i></b></p> <p>Signed :</p>	
<p>Use of translation software: failure to declare that translation software or a similar writing aid has been used will be treated as an assessment offence.</p> <p>I *have used/not used translation software.</p> <p>If used, please state name of software.....</p>	
<p><b>Overall mark</b> _____ <b>%</b>      <b>Assessors Initials</b> _____      <b>Date</b> _____</p>	

**IN  
PARTNERSHIP  
WITH  
PLYMOUTH  
UNIVERSITY**



# **PUSL2023**

## **Mobile App Development**

### **TechLink**

**Group No : Group - 38**

Members,

NSBM ID	NSBM Name	Plymouth ID	Plymouth Name	Degree Program
30399	JWD Kavinda	10952523	Jayawardena Kavinda	SE
29981	DD Hewage	10952463	Dulaj Hewage	SE
29676	DAD Wijesinghe	10952470	Unagollage Wijesinghe	SE
29590	WVW Sirimewan	10952545	Witharamalage Sirimewan	SE
29905	PDT Heenatigala	10952565	Pathiranage Didula Theekshana	SE
31863	DTT Perera	10953075	Duwage Perera	SE
30202	CD Abeykoon	10952645	Chamathka Abeykoon	SE
30224	MSI Rathnayaka	10952629	Rathnayaka Rathnayaka	SE

# Proposal for TechLink

## IT Community & Marketplace Mobile Application

### 1. Problem Definition

The fast-moving IT industry creates difficulties for professionals along with students along with enthusiasts when it comes to networking and education as well as product procurement. The current platforms serve social networks separately from educational services and e-commerce solutions although no system exists to fulfill the specialized demands of IT professionals.

#### ○ Significance & Relevance

- Many IT students together with professionals need a dynamic community for knowledge sharing because they lack appropriate platforms to work on collaborative projects.
- The rising need for IT skills and certifications together with real-world project opportunities exceeds training resources that exist only as scattered locations across different platforms.
- A trustworthy market platform that allows buying and selling IT-related products including IoT devices, software tools and hardware currently does not exist.
- Specialized IT job seekers face difficulties when using unorganized job portals which hinders their ability to find proper freelance work or internship roles within their professional field.
- Users experience difficulties during their job search because they must visit various platforms to locate suitable IT opportunities. The platform would benefit users through its centralized job listing system which enables effective job search.

Users will experience a complete IT community & marketplace application through this effort since it combines teaching with trading and networking with job discovery within a security-focused setting.

### 2. Scope of the Project

#### ○ Objectives

- The creation of a mobile platform should align with requirements of IT worker groups and educational users as well as technical enthusiasts.
- The platform will establish a community-based networking interface which supports professional talks and content sharing and modern collaboration methods.
- The platform should deliver organized Podcasts features enabling users to participate in professional discussions about courses tutorials and coding challenges at hand.
- The platform will design a safe environment that ensures both security and efficiency for purchasing IT merchandise and professional services.
- The system requires essential communications tools in addition to secure transaction capabilities for smooth utilization by stakeholders.
- The platform should incorporate a dual purpose Community and Idea sharing platform where users can access IT work opportunities and both paid and unpaid projects.

#### ○ Inclusions

- The user profiles contain complete professional information along with skill showcases and portfolio presentations.
- Discussion podcasts for technology-related topics, troubleshooting, and career advice.

- Users can find IoT devices together with software and development tools and IT hardware through the marketplace.
- The platform provides a secure messaging system used by both collaborators and buyers to interact with sellers.
- Users can participate in industry professional host events and webinars and hackathons through live sessions.

#### ○ **Exclusions**

- IT-related products and services must remain the exclusive category of items listed on the platform.
- Users should avoid entertainment-based social media features which do not contribute to IT discussions.
- Offline transactions without verification or buyer protection measures.

### **3. Features of the Application**

#### ○ **Community & Networking Features**

- Community discussion give users the chance to participate through topic-based discussions while they share insights and conduct Q&A sessions.
- Users should utilize the platform to present their technical skills together with certifications and demonstrate their projects as they connect with IT professionals.
- The platform provides professionals with networking opportunities as well as mentoring resources and chances for meaningful dialogs.
- Users can interact with the latest tech trends through attending live podcasts and online workshops and hackathons.
- Tech News Feed provides combined news from prominent technology blogs along with news from leading portals and industry leaders.

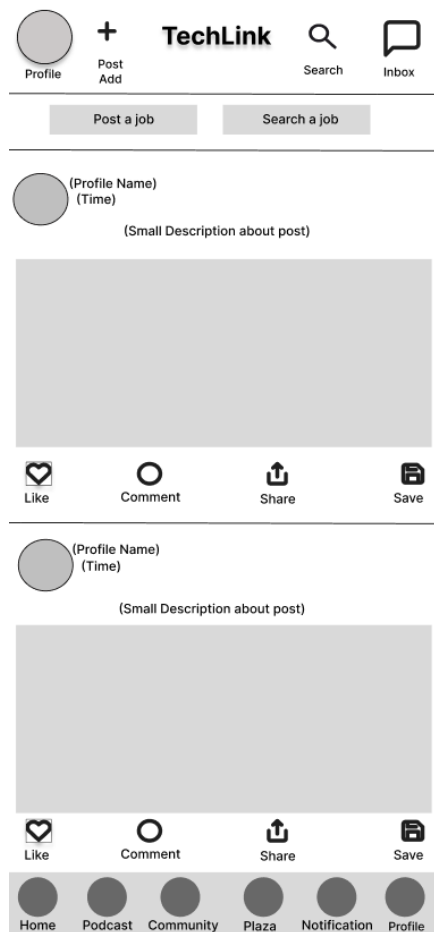
#### ○ **IT Marketplace**

- Users find an arena to acquire or dispose IT-related items which includes like IoT devices along with software and IT devices.

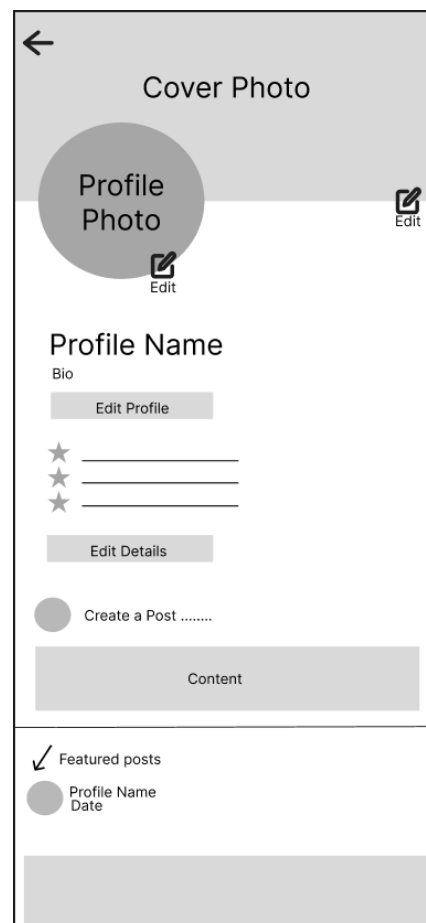
#### ○ **Job Board & Career Opportunities**

- The Find IT Jobs website presents a combination of full-time positions along with internship and freelance projects based within the IT industry.

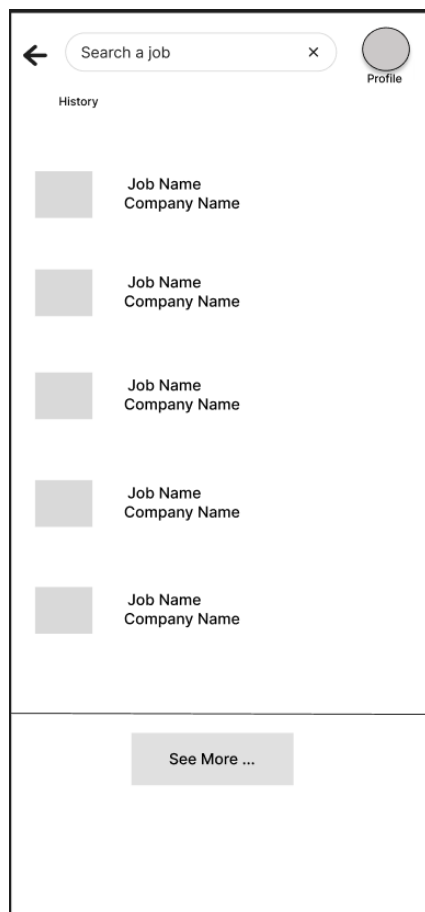
## 4. Wireframe Diagrams (Screenshots)



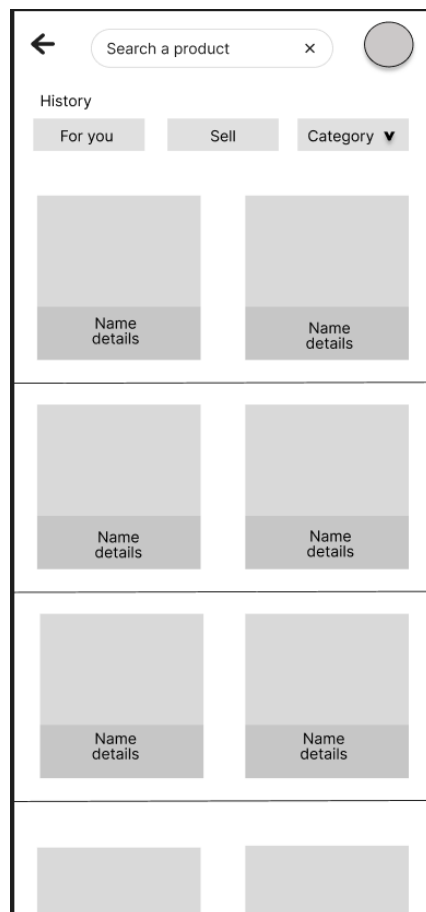
Home Page



Profile Page



Search a Job



Marketplace

## **5. Conclusion**

Techlink functions as a unified platform that meets all needs of IT students and professionals through one coherent service for networking and learning and commerce with career development opportunities. Users will benefit from this platform through access to resources which promote professional advancement while providing job discovery services together with secure IT product trading options.

This application has the prospect to become the main networking platform for worldwide IT professionals because of climbing professional IT recruitment needs and rising consumer interest in IoT and technology products.