INTERNSHIP PLAN

1. STUDENT

Name: Trac Duc Anh Luong

Student number: 103488117

Student email: 103488117@student.swin.edu.au

Discipline major: Software Technology

Swinburne Academic Supervisor name: Dr. Nguyen Van Tang

Swinburne Academic Supervisor email: tvnguyen@swin.edu.au

2. INDUSTRY PARTNER

Organisation name: OCG Technology

Internship address: 7F Vien Dong Building, 36 Hoang Cau, Dong Da District, Hanoi, Vietnam

URL: https://ocg.vn/

Number of staff: 115

Industry Supervisor name & contact: Mr. Huu Hoi Dinh (hoi.dinh@ocg.vn)

Industry Supervisor Title: Senior Training Specialist

Organisation structure, year of establishment and core business (50 words or less): OCG offers outstanding services in the field of education and application development, including: Smart Education solutions, software development services based on the OutSystems platform, and assistance to foreign partners in connecting to and developing the system with a growing team of developers.

3. ASSESSMENT DUE DATES

Please fill in this table with your assignment due dates based on when you start and finish your internship:

Assignment	Details	Due Date
Internship Plan	7 days after you start	September 30th
Video	Midpoint of your internship	October 22nd
Reflection	2 weeks after you finish	November 29th

4. INTERNSHIP DETAILS

Project description: OutSystems Internship Program

Project role: OutSystems Developer Intern

Internship dates and required hours: 9 AM to 5 PM, Monday to Friday, September 15th to November 15th

5. INTERNSHIP ASPIRATIONAL OBJECTIVES & AIMS

Objective #1: Mastering OutSystems and Web Development Technologies

The first objective of this internship is to master the essential aspects of OutSystems and web development technologies. Through focused training and hands-on experience, this objective aims to equip me with the skills and knowledge required to excel in web development.

Aim 1: Gain Proficiency in OutSystems
Throughout this internship, my first aim is to attain a high level of proficiency in OutSystems, a low-code development platform. Low code is a new and refreshing concept that most students have yet to learn in university. Therefore, there will be much to learn about low-code software development, design, and testing. By actively engaging in training sessions and practical exercises during the initial two weeks, I aim to understand the fundamental concepts and components of OutSystems thoroughly. Comprehension of the OutSystems platform includes learning how to efficiently create, deploy, and maintain web and mobile applications, harnessing the platform's capabilities to streamline application development processes.

Aim 2: Develop Strong Database and SQL Skills
Complementing my OutSystems expertise, my second aim is to acquire a comprehensive understanding of relational databases and SQL, thus cementing the foundation of my web development capabilities. With a keen focus on data modelling, manipulation, and retrieval, I am committed to honing these skills through consistent, hands-on practice of SQL queries and effective database management techniques. This proficiency will be the backbone for designing and maintaining efficient, secure databases underpinning the applications I develop during the internship. In doing so, I aspire to ensure the seamless functioning of these applications and contribute to the overall robustness and reliability of the software systems I work on. This knowledge is integral to creating data-driven, high-performance solutions, and it aligns perfectly with the demands of modern web development, where data management is a cornerstone of success.

Aim 3: Master Front-End Technologies (JavaScript, CSS, ReactJS)
The third aim in achieving Objective 1 is to become a proficient front-end web developer. Being a web developer involves mastering JavaScript, CSS, and ReactJS, essential technologies for creating dynamic and visually appealing user interfaces. These form the bedrock of crafting dynamic, visually captivating user interfaces that are engaging and intuitive. My commitment to achieving this mastery extends beyond theoretical understanding; it encompasses dedicated, hands-on coding practices, project implementations, and creative problem-solving. By dedicating time to hands-on coding, I aim to build responsive web applications with exceptional user experience, integrating seamlessly with the backend systems developed using OutSystems.

Objective #2: Independent Project Development and Implementation

The second objective of this internship focuses on independent project development and implementation. This objective is centered on the practical application of the skills acquired in Objective #1, where I will conceptualize, develop, and deploy a web application.

Aim 1: Conceptualize a Real-World Project
Successfully conceptualize, develop, and deploy a web application project within six weeks. For my second objective, I aim to conceptualize, develop, and deploy a practical web application within six weeks. Throughout this project, I will immerse myself in the creative ideation process, mapping out intricate details and functionalities that cater to specific user requirements. Combining thoughtful design thinking with practical development, I aspire to produce a fully functional web application that meets and exceeds expectations. Achieving this aim requires conducting research, user interviews, market analysis, and delivering a fully functional application.

Aim 2: Finish the documentation of the project in the seventh week.
Create project documentation and prepare for the final presentation within the seventh week. My second aim is to create comprehensive project documentation and prepare for the final presentation by the end of the seventh week. Creating comprehensive project documentation is more than just a formality; it is crucial to ensure transparency, traceability, and ease of maintenance for the developed web application. My aim here is to provide clear and well-structured documentation that not only aids in understanding the project but also serves as a valuable resource for

future reference and potential scaling of the application. Adequate preparation ensures the project is well-documented and ready for presentation and evaluation.

Aim 3: Showcase and Present the Project Effectively
Showcase and present the project effectively in the eighth week. To successfully conclude the project, I aim to deliver a compelling final presentation in the eighth week, effectively communicating the project's technical and functional aspects. This final presentation serves as a culmination of the entire project journey, showcasing not only the technical prowess I have acquired but also my capacity to convey the real-world relevance of the project. It is an opportunity to leave a lasting impression, reflecting my dedication to excellence and commitment to delivering valuable solutions that can make a difference.

Objective #3: Continuous Learning and Adaptation

The third objective of this internship underscores the importance of continuous learning and adaptability in the tech industry. This objective focuses on expanding knowledge beyond the initial training and cultivating a proactive problem-solving approach.

Aim 1: Embrace Continuous Learning
The pursuit of knowledge is an ongoing journey. With this aim, I am committed to continuous learning throughout the internship and beyond. My objective is to dedicate a minimum of 10 hours each week to learning that extends beyond the initial training provided. This dedicated effort will ensure I stay at the forefront of the rapidly evolving tech landscape, particularly in OutSystems, web development, and associated technologies. By embracing this continuous learning mindset, I aim to not only remain relevant but also to contribute to the development of innovative solutions proactively.

Aim 2: Proactive Problem-Solving
In the ever-dynamic field of technology, the ability to tackle complex challenges independently is a hallmark of a proficient professional. Building upon the foundational skills acquired in Objective 1, my second aim is demonstrating proactive problem-solving abilities. I aspire to resolve at least one intricate technical issue each week independently. This commitment goes beyond mastering theoretical concepts; it is a practical showcase of my resourcefulness and adaptability in addressing real-world challenges. By consistently honing these skills, I aim to become a more effective and versatile contributor, capable of navigating the intricacies of the tech industry with confidence and resilience.

Aim 3: Foster Collaborative and Professional Relationships
Success in the tech industry extends beyond individual proficiency—it thrives on collaboration and mentorship. My third aim under Objective 3 is to establish meaningful professional relationships and actively seek mentorship opportunities within the first month of the internship. Building rapport and collaborating effectively with colleagues is integral to long-term success in this field. By fostering such relationships, I aim to tap into the wealth of experience and insights that my peers and mentors can offer. This interpersonal dimension complements my technical growth and contributes to a holistic skill set beyond coding to encompass teamwork, communication, and career development.

6. INDUSTRY SUPERVISOR SIGNATURE

I have read and agree to the above internship plan, including the student's aspirational objectives and aims.

Name: _Dinh Huu Hoi_ Signature: _Hoi_

Date: _28/9/2023_