



## IS480 Project Proposal

### SmartHawker

### HungryMen

#### **Team Vision:**

- To take on challenges that feeds our desires to strive for the best

#### **Team Members:**

- Goh Gui Xiang Wendy ([wendy.goh.2014@sis.smu.edu.sg](mailto:wendy.goh.2014@sis.smu.edu.sg)) - Project Manager and Front-End Developer
- Kay Zong Wei ([zongwei.kay.2014@sis.smu.edu.sg](mailto:zongwei.kay.2014@sis.smu.edu.sg)) - Back-End Developer
- Cheng Chingyi ([cycheng.2014@sis.smu.edu.sg](mailto:cycheng.2014@sis.smu.edu.sg)) - Quality Assurance and Business Analyst
- Gao Min Mell ([min.gao.2014@sis.smu.edu.sg](mailto:min.gao.2014@sis.smu.edu.sg)) - Front-End Developer
- Chua Weilun ([weilun.chua.2014@sis.smu.edu.sg](mailto:weilun.chua.2014@sis.smu.edu.sg)) - Back-End Developer and Back/Front End Integration

#### **Sponsor:** SmartHawker

- Edmund Foo ([edmund@smarthawker.com](mailto:edmund@smarthawker.com))
- Marcus Lee ([marcus@smarthawker.com](mailto:marcus@smarthawker.com))
- Tan Boon Teck ([boonteck@smarthawker.com](mailto:boonteck@smarthawker.com))

#### **Project Overview:**

- Project Description

SmartHawker iOS mobile application aims to help hawkers in Singapore have access to a free and easy-to-use financial planning tool, so that they can better monitor their business finances, without having to use over-complicated software systems. Local, owner-operated single stall hawkers are the primary target group for this mobile application.

- Current Issues

Hawkers in Singapore often rely on manual or semi-manual bookkeeping methods to keep track of their financial records. This is a potential source of problems for them as the lack of accuracy and consistency associated with manual recording methods may lead to incorrect reporting of financial performance, especially when it comes to income tax reporting at the end of each financial year. Hawkets also often do not perform regular cost-benefit analyses as part of their financial decision makings. Instead, they rely on their 'experience' or 'gut feel' to make such decisions. Hawkets are also usually small sole proprietors and do not typically use POS (Point-of-Sale) systems to log their daily records and track their financials performance.

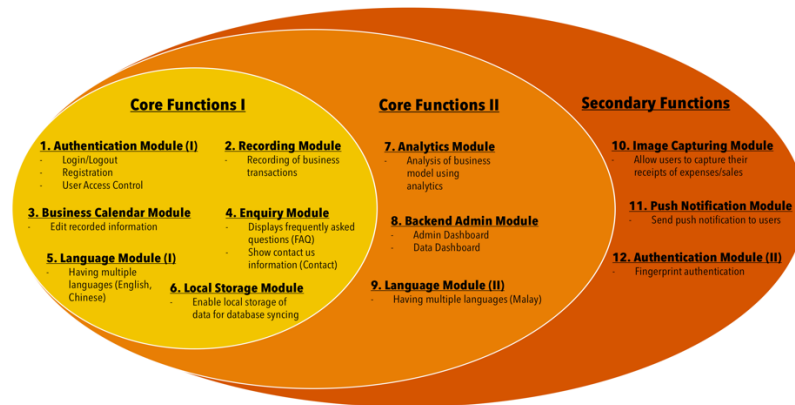
#### **Stakeholders:**

<b>Sponsor</b>	Edmund Foo, Marcus Lee, Tan Boon Teck
<b>Users</b>	Hawkers

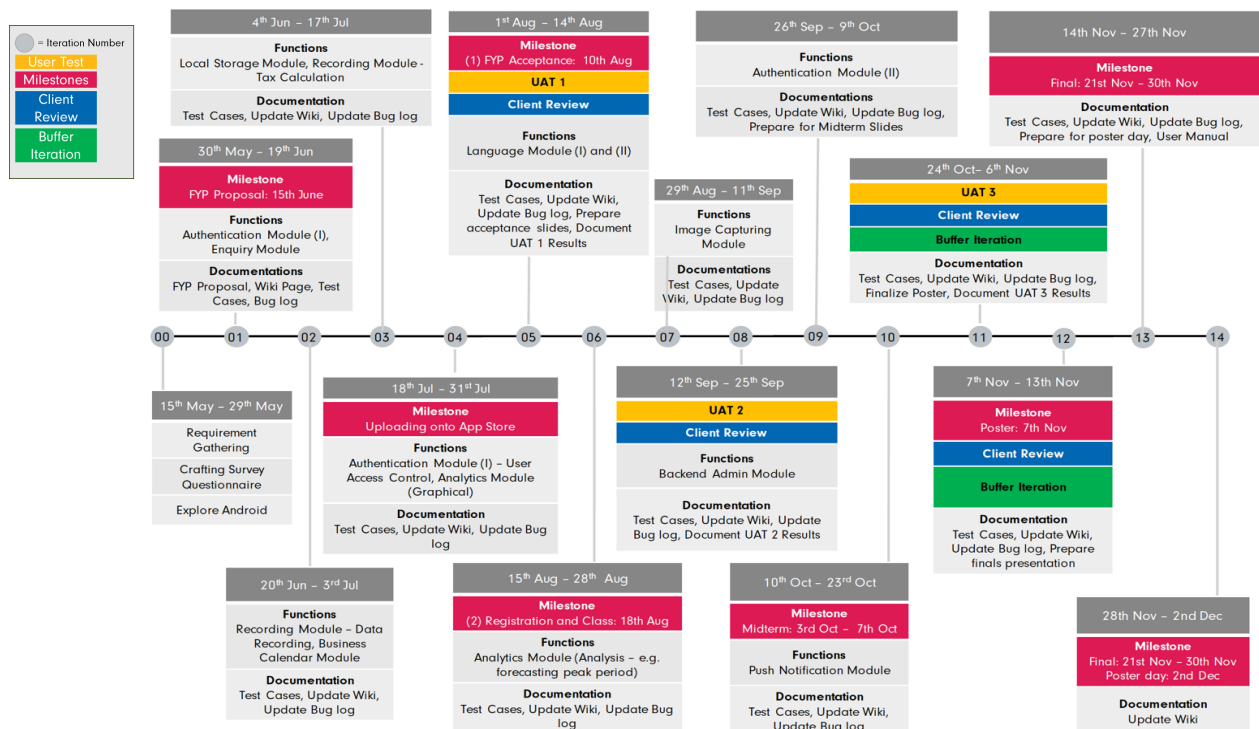
#### **Deliverables:**

To come up with an iOS mobile application to help hawkers improve their record keeping and business decision making, where their financial information is securely stored and easily accessible for current and future reference, e.g. income tax filing.

## Scope:



## Project Plan:



## Risks and Mitigations:

Risk	Mitigation
1. Potential lack of user testing due to insufficient testers	1. Early management planning and sourcing of users for testing
2. Insufficient collection of data, due to testers not using the mobile application as often as possible	2. Active monitoring and reminding of users
3. New programming environment for iOS mobile application	3. Actively learn, research and share programming knowledge with team
4. Potential increase in scope of project	4. Constant review of project scope and constant communication with client to manage expectations of mobile application development

## Resource and Reference:

HungryMen will be building our SmartHawker iOS mobile application using Swift, with Xcode as the Integrated Development Environment (IDE). Parse will be the database used for storing of data online and GitHub would be used for version control.