



Online Point of Sale System

Scarborough Campus Student Union (SCSU)

By: Chris Kwok, Jason Au Yong,
Roger Lau, Wesley Tong

SCSU - Background

- ▶ Official representatives of students at UTSC
- ▶ Manages Student Center



Problem

- ▶ **Symptoms**

- ▶ Long lineups
- ▶ Wasted time
- ▶ Rushed transactions

- ▶ **Cause Identified**

- ▶ Inadequate POS system involving tedious manual labour



Requirements

Functional Requirements

- ▶ **Online store website**
 - ▶ User account system
 - ▶ Payment system
- ▶ **Inventory management**
 - ▶ Add/remove/edit products
- ▶ **Financial functions**
 - ▶ Accounting reports
 - ▶ Sales reports



Requirements

Non-functional Requirements

- ▶ Accounting and control
 - ▶ GAAP compliance
- ▶ System load
 - ▶ To handle approximately 2000 transactions
- ▶ System compatibility and scalability
- ▶ Security and reliability
 - ▶ Confidentiality of customer information
- ▶ User-friendly

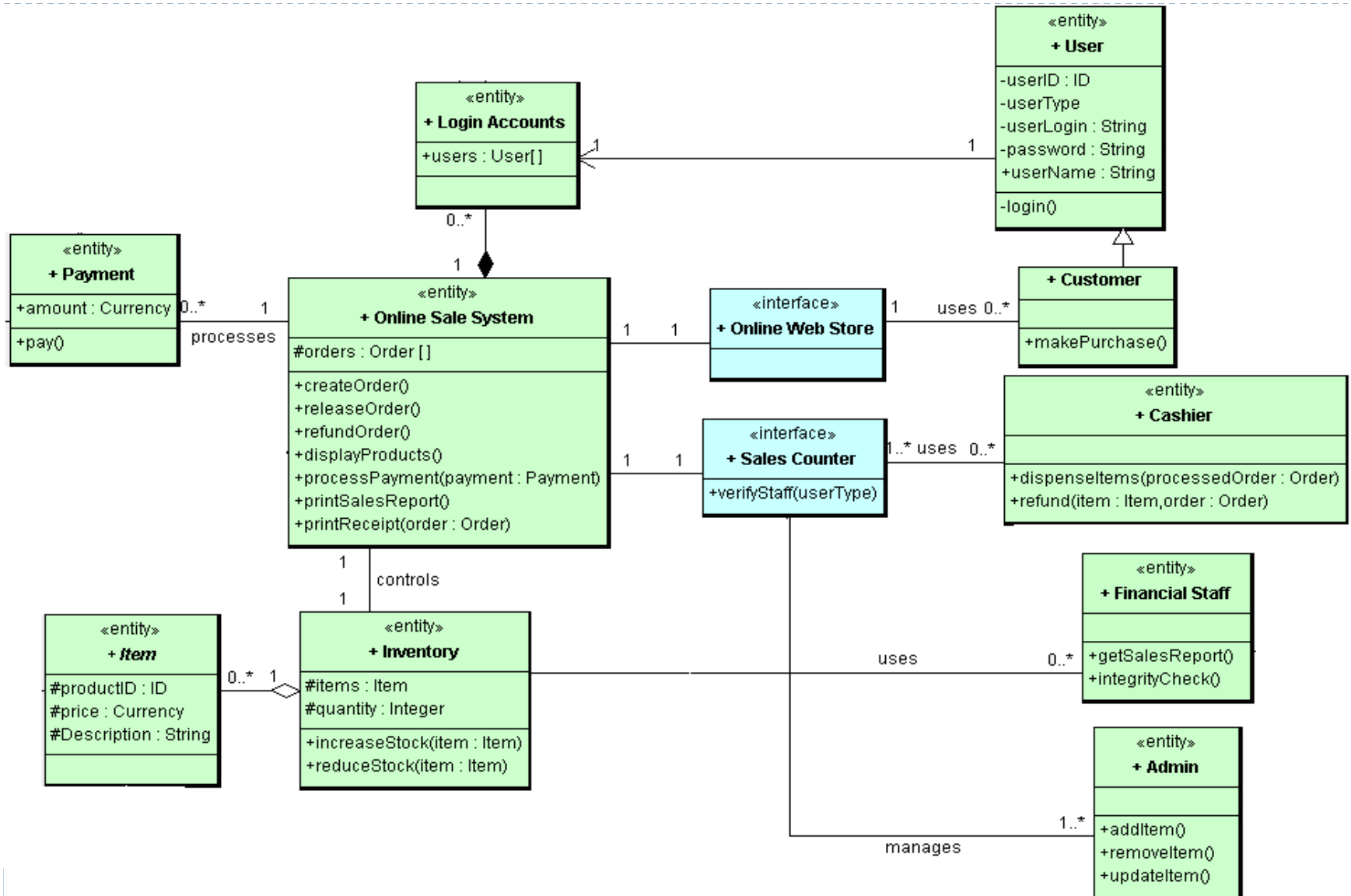


Hardware

- ▶ System and web server
- ▶ Desktop machines
- ▶ Card readers



Software



Break-even Analysis

Year	0	1	2	3	4	5
NPV of all BENEFITS	\$0	\$3,055	\$5,831	\$8,356	\$10,651	\$12,737
NPV of all COSTS	\$970	\$2,868	\$4,594	\$6,163	\$7,589	\$8,885



Break-even Analysis

Break-Even Analysis for Project

