Seneca College School of Information and Communications Technology  
Appendix A: Project Initiation Document

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| **Date Submitted:** | Nov 2nd, 2016 (Wed) |
| **Team Number and Name:** | Group 13, Lucky Number |
| **Team Members:** | Aaron Scott, Eunsol Lee, Michael Dipaling, Aleksandr Sledkov, Choudry Mazhar |
| **Project Title:** | More Better point of sale system |
| **Client Information:** | Key North Cottage Supply |
| **Target Completion Date:** | End of semester |

1. **Positioning**
2. **The Business Opportunity**
3. **Problem Statement**

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| *The Problem of* | The existing manual Point of Sale (POS) system that requires additional staff in order to effectively maintain the increased number of customers. |
| *Affects* | Customers, store manager, employees, employee relation manager. |
| *The impact of which is* | In a long term, the existing system will require more people and cost more money to maintain the system. |
| *A successful solution would* | Build the system that automates the checks and balances, reduce some current errors, provide flexibility and reliability. |

1. **Stakeholders and Users**
2. **Stakeholders**

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| --- | --- |
| **Stakeholder Title (Name)** | **Category/ies** |
| Founder(Sam) | Users  (Tech-adopters) |
| Technician | Authorities |
| Employees | Users  (Standard) |
| Procurement Analyst | Authorities |
| Accountant | Authorities |
| Independent Contractors | Authorities |
| Employee Relation Manager | Users  (Tech-adopters) |
| Marketing Manager | Standard Users |
| Store Manager(Darlene, Daniel) | Users  (Tech-adopters) |
| Warehouse Manager | Standard Users |
| Tool Repair and Rental Manager | Standard Users |
| Customer project manager | Standard Users |
| Inventory manager | Standard Users |
| Web developers | Developers |
| Charities | Sponsors |
| KNCS POS system | Users  (non-human) |
| Resident Designer | Authorities |
| In-house design experts | Authorities |
| Workshop instructor | Standard Users |
| Customers | Customers |
| Marketing events | Sponsors |
| Advertising vehicle | Sponsors |
| Bank | Authorities |
| Canada revenue agency | Authorities |
| Deliveryman | Authorities |
| Suppliers | Authorities |
| Local repair shop | Authorities |
| Classroom manager | Standard Users |
| Customer service manager | Standard Users |
| Recreation and leisure manager(Darryl) | Standard Users |
| Restaurant Staff | Standard Users,  Authorities |
| Store management system | Users  (non-human) |
| Group 13 | Developers |
| Muskoka Area municipal government | Authorities |

1. **Key Stakeholder and User Needs**

Employee Relation Manager

* Create schedule
* Update schedule
* Create a payroll
* Send a payroll
* Create employee list
* Update employee list

Inventory Manager

* Audit inventory
* Create purchase orders
* Send purchase orders
* Create inventory items
* Send inventory items
* Receive invoice
* Receive inventory items
* Update inventory control list

Classroom Manager

* Create invoice
* Receive invoice
* Create student list
* Update student list
* Create Class schedule
* Update class schedule

Tool Repair and Rental Manager

* Create equipment list
* Update equipment list
* Create equipment list in use
* Update equipment list in use
* Create equipment repairs list
* Update equipment repairs list
* Create customer contact list
* Update customer contact list

Customer Project Manager

* Create invoice
* Send invoice
* Update project process
* Check inventory
* Create purchase orders
* Send purchase orders

1. **Product Position Statement**

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| --- | --- |
| *For* | Key North Cottage Supply |
| *Who* | Requires a new POS system to maintain business flexibly with the growth of business |
| *The* | More Better point of sale is an automated point of sale system |
| *That* | Provides efficient POS system that works with the existing business |
| *Unlike* | The existing POS system |
| *Our product* | The new POS system will be up to 30% cost efficient than the previous POS system, with automated checks/balances features and reduced errors |

1. **Constraints**

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| **Constraint** | **Description** | **Workaround or Solution** |
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1. **Operating Environment**
2. **Scope of System Being Developed**

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| **Name** | **Feature** | **Functionality of the Feature** | **Use Case Name** |
| Aaron Scott | Maintain Employee Information | Add Employee  Change Employee  Delete Employee – if human error  Query Employees |  |
| Aaron Scott | Schedule Employees | Add Schedule  Change Schedule  Delete Schedule – if human error  Query Schedules |  |
| Choudry Mazhar | Maintain Product List | Add Product  Change Product  Delete Product – if human error  Query Products |  |
| Choudry Mazhar | Receive Inventory | Add Inventory  Change Inventory  Delete Inventory – if human error  Query Inventory |  |
| Michael Dipaling | Maintain Classes | Add Class  Change Class  Delete Class – if human error  Query Classes |  |
| Michael Dipaling | Schedule Classes | Add Schedule  Change Schedule  Query Schedules |  |
| Aleksandr Sledkov | Maintain List of Equipment Rentals | Add Rental  Change Rental  Delete Rental – if human error  Query Rentals |  |
| Aleksandr Sledkov | Schedule Equipment Rentals | Add Schedule  Change Schedule  Delete Schedule – if equipment is not available  Query Schedules |  |
| Eunsol Lee | Maintain Contractor | Add Contractor  Change Contractor  Delete Contractor – if human error  Query Contractors |  |
| Eunsol Lee | Maintain Customer Projects | Add Project  Change Project  Delete Project – if human error  Query Projects |  |

**IV. Ethical and Legal Issues**

**V.Other Issues or Information**

**Signatures Date**