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|  |
| Project Management Documentation |
| My Little Shop |

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**PROJECT MANAGEMENT FOR POINT OF SALE (POS) SYSTEM.**

1. **Project Summary**

My Little Shop is a web-based application. This application is managed and run by both multiple managers and employees. This allows employees also managers to calculate total price of products bought by customers. Only managers could justify the number of products as well as users, view the sales report of a day or a week, the quantity or profit of all goods of a specific shop.

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| **Project Start Date** | **Project End Date** |
| April 23th, 2018 | May 10th, 2018 |

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| **Project Type** | **Platform** |
| Development | JavaScript, HTML, CSS, Firebase |

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| **Project Leader** |  |  |  |
| Nguyễn Qúy Vinh | Nguyễn Tiến Đức | Trần Phương Nam | Lê Quốc Hưng |

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| **Project Scope** |
| To scan or enter barcode to display the details of products.  To add the number of products or users.  To list the quantity of goods or users.  To provide an interface to show the sales report.  To calculate the price of products bought by customers.  To update the inventory. |

1. **Project** **Processes**
2. **Development Environment**

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| **Software** |
| * JavaScript * Firebase * HTML/CSS/Bootstrap * Atom, Visual Studio Code |

1. **Hardware and Software Requirements**

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| --- | --- |
| **Items Description** | **Number** |
| PCs with 128MB RAM | 1 |
| 1 GB space on server | 1 |

1. **Task Management**
2. Nguyễn Qúy Vinh: Back end, connect project to firebase serve
3. Nguyễn Tiến Đức: Barcode-reader, Back-end.
4. Trần Phương Nam: Database management and querrying
5. Lê Quốc Hưng: Front End, GUI, write Documentation
6. **Risk Management**

|  |  |  |  |
| --- | --- | --- | --- |
| **Risk** | **Probability of Occurrence** | **Loss (Days)** | **Risk Management** |
| Team members’ inexperience | 99% | 3 days |  |
| Lost backup database | 20% |  | Save backup database periodically. |
| Unstable Internet connection | 10% |  |  |
| Lack of price-changing diagram | 10% |  | Update price-changing diagram. |

1. **References**

[1] Mark Kotz, "Project Management Plan”, 2010, version 1.3.

[2] Addison Wesley, “Software Project Management in Practice”, 2002.

[3] Tari Kaupapa, “Project Methodology Template Examples”, 2006, version 1.0.