Contents

1	Introduction	2
2	Problem statement	2
3	Literature Review 3.1 Recent Developments (2019-present) 3.1.1 Amazon 3.1.2 Examples from Sri Lanka 3.1.3 Solutions Proposed	2 2 2 2 2
	3.2 Previous Studies (2009-2018)	2 2 2
	3.3 Comparison of Features 3.4 End of Literature Review 3.5 Expected Features 3.6 Research Gap	2 2 2 2
4	3.6 Research Gap	2
4	Froject Objectives	4
5	Methodology 5.1 Features and Implementation 5.1.1 Decentralized Data Management 5.1.2 Data Ingest 5.2 API Development 5.2.1 Recommendation API 5.2.2 Search API 5.3 Frontend and Backend Development 5.3.1 NLP Recommendation Process 5.4 Conclusion	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
6	Requirements Analysis	2
7	Design	2
8	Development	2
9	Testing	2
10	Maintenance and Support	2
11	Challenges	2

- 1 Introduction
- 2 Problem statement
- 3 Literature Review
- 3.1 Recent Developments (2019-present)
- 3.1.1 Amazon
- 3.1.2 Examples from Sri Lanka
- 3.1.3 Solutions Proposed
- 3.2 Previous Studies (2009-2018)
- 3.2.1 eBay
- 3.2.2 Solutions Implemented
- 3.3 Comparison of Features
- 3.4 End of Literature Review
- 3.5 Expected Features
- 3.6 Research Gap
- 4 Project Objectives
- 5 Methodology
- 5.1 Features and Implementation
- 5.1.1 Decentralized Data Management
- 5.1.2 Data Ingest
- 5.2 API Development
- 5.2.1 Recommendation API
- 5.2.2 Search API
- 5.3 Frontend and Backend Development

2

- 5.3.1 NLP Recommendation Process
- 5.4 Conclusion
- 6 Requirements Analysis
- 7 Design
- 8 Development
- 9 Testing
- 10 Maintenance and Support
- 11 Challenges