

# Contents

<b>Preface</b>	<b>i</b>
<b>Summary</b>	<b>iii</b>
<b>1 Introduction</b>	<b>1</b>
<b>2 Problem Analysis: Order Processing</b>	<b>3</b>
2.1 The Four Dimensions of Order Processing . . . . .	3
2.2 Market Impact of Order Processing . . . . .	3
2.3 Already Existing Solutions for Improving Order Processing . . . . .	3
2.4 The Two Main Goals of Our Project . . . . .	3
<b>3 Requirements Engineering for Order Processing System</b>	<b>7</b>
3.1 Stakeholders Involved . . . . .	7
3.2 Use Case Analysis for the Order Processing System . . . . .	7
3.3 Requirements Elicitation . . . . .	7
3.4 Definition of Requirements for the Order Processing System . . . . .	7
<b>4 Product Design: Order Processing System</b>	<b>11</b>
4.1 Feasibility Analysis of Order Processing System . . . . .	11
4.2 Risk Analysis of Order Processing System . . . . .	11
4.3 Architecture of Order Processing System . . . . .	11
<b>5 Implementation of the Product</b>	<b>15</b>
5.1 Database . . . . .	15
5.2 Frontend . . . . .	15
5.3 Backend . . . . .	15
5.4 Algorithm . . . . .	15
5.5 Testing . . . . .	15

<b>6</b>	<b>Product Discussion and Future Recommendations</b>	<b>19</b>
6.1	Functionality offered by the Product . . . . .	19
6.2	User Evaluation of the Product . . . . .	19
6.3	Expert Evaluation of the Product . . . . .	19
6.4	Future Improvements for the Product . . . . .	19
<b>7</b>	<b>Conclusion</b>	<b>23</b>
	<b>References</b>	<b>11</b>
	<b>Appendix 1: More Info</b>	<b>13</b>
	<b>Appendix 2: Some More Info</b>	<b>15</b>