

## CONTENTS

INTRODUCTION	4
<b>Phase 1. Planning and preparation</b> 1.1. Identifying the problem and defining the scope of the project 1.2. Gathering requirements and defining the project plan	6
<b>Phase 2. Analysis and design</b> 2.1. Designing the system architecture and data models 2.2. Implementing the system architecture	23
<b>Phase 3. Development, testing, and deployment</b> 3.1. Implementing the system architecture and data models 3.2. Testing the system and fixing bugs 3.3. Deployment and maintenance	44
<b>Phase 4. Review and iteration</b> 4.1. Reviewing the system and identifying areas for improvement 4.2. Iterating the process	60
<b>Phase 5. Continuous improvement and integration</b> 5.1. Implementing continuous integration and delivery 5.2. Monitoring and maintaining the system	77
<b>Phase 6. Final review and delivery</b> 6.1. Final review of the system and delivery to the client 6.2. Handover and support	96
<b>Phase 7. Evaluation and feedback</b> 7.1. Evaluating the system and gathering feedback 7.2. Iterating the process	120
<b>Phase 8. Final review and delivery</b> 8.1. Final review of the system and delivery to the client 8.2. Handover and support	136
<b>Phase 9. Continuous improvement and integration</b> 9.1. Implementing continuous integration and delivery 9.2. Monitoring and maintaining the system	153
<b>Phase 10. Documentation and support</b> 10.1. Documenting the system and providing support 10.2. Handover and support	168