

Contents

| | | |
|----------|---------------------------------------|----------|
| 1 | Introduction | 1 |
| 1.1 | Stakeholders | 1 |
| 1.2 | Customer | 1 |
| 1.3 | Project Scope | 1 |
| 2 | Project Directive | 2 |
| 2.1 | Methodology | 2 |
| 2.2 | Group Organization | 2 |
| 2.3 | Project Phases | 2 |
| 2.3.1 | Planning and research | 2 |
| 2.3.2 | Sprints | 2 |
| 2.3.3 | Documentation and delivery | 2 |
| 2.4 | Risk Management | 2 |
| 2.5 | Quality Assurance | 2 |
| 3 | Preliminary Studies | 3 |
| 3.1 | Methodology | 3 |
| 3.1.1 | Development process | 3 |
| 3.1.2 | Conclusions | 3 |
| 3.2 | Game Concept | 3 |
| 3.2.1 | Power industry | 3 |
| 3.2.2 | Similar game concepts | 3 |
| 3.2.3 | Conclusions | 3 |
| 3.3 | Mobile technology | 3 |
| 3.3.1 | Mobile platform | 3 |
| 3.3.2 | Crossplatform | 3 |
| 3.3.3 | Native | 3 |
| 3.3.4 | Conclusions | 3 |
| 3.4 | Mobile development | 3 |
| 3.4.1 | Native languages | 3 |
| 3.4.2 | JavaScript, HTML5, and CSS3 | 3 |
| 3.4.3 | Frameworks | 3 |
| 3.4.4 | Conclusions | 3 |
| 3.5 | Test | 3 |
| 3.5.1 | Testing cycle | 3 |
| 3.5.2 | Testing activities | 3 |
| 3.5.3 | Testing frameworks | 3 |
| 3.5.4 | Conclusions | 3 |

| | | |
|----------|---------------------------------------|----------|
| 4 | Requirement specification | 4 |
| 4.1 | Userstories | 4 |
| 4.2 | Use case diagrams | 4 |
| 4.3 | Functional requirements | 4 |
| 4.4 | Non-functional requirements | 4 |
| 5 | Game architecture | 5 |
| 6 | Test | 6 |
| 7 | Sprint 1 | 7 |
| 7.1 | Sprint planning | 7 |
| 7.2 | Requirements | 7 |
| 7.3 | Implementation | 7 |
| 7.4 | Testing | 7 |
| 7.5 | Delivery | 7 |
| 7.5.1 | Planned delivery | 7 |
| 7.5.2 | Actual delivery | 7 |
| 7.6 | Customer feedback | 7 |
| 7.7 | Sprint retrospective | 7 |
| 7.8 | Evaluation | 7 |
| 8 | Sprint 2 | 8 |
| 8.1 | Sprint planning | 8 |
| 8.2 | Requirements | 8 |
| 8.3 | Implementation | 8 |
| 8.4 | Testing | 8 |
| 8.5 | Delivery | 8 |
| 8.5.1 | Planned delivery | 8 |
| 8.5.2 | Actual delivery | 8 |
| 8.6 | Customer feedback | 8 |
| 8.7 | Sprint retrospective | 8 |
| 8.8 | Evaluation | 8 |
| 9 | Sprint 3 | 9 |
| 9.1 | Sprint planning | 9 |
| 9.2 | Requirements | 9 |
| 9.3 | Implementation | 9 |
| 9.4 | Testing | 9 |
| 9.5 | Delivery | 9 |
| 9.5.1 | Planned delivery | 9 |
| 9.5.2 | Actual delivery | 9 |
| 9.6 | Customer feedback | 9 |
| 9.7 | Sprint retrospective | 9 |

| | | |
|-----------|--------------------------------|-----------|
| 9.8 | Evaluation | 9 |
| 10 | Sprint 4 | 10 |
| 10.1 | Sprint planning | 10 |
| 10.2 | Requirements | 10 |
| 10.3 | Implementation | 10 |
| 10.4 | Testing | 10 |
| 10.5 | Delivery | 10 |
| 10.5.1 | Planned delivery | 10 |
| 10.5.2 | Actual delivery | 10 |
| 10.6 | Customer feedback | 10 |
| 10.7 | Sprint retrospective | 10 |
| 10.8 | Evaluation | 10 |
| 11 | Templates and standards | 11 |
| 11.1 | Templates | 11 |
| 11.2 | Standards | 11 |

1 Introduction

1.1 Stakeholders

1.2 Customer

Customer

1.3 Project Scope

2 Project Directive

2.1 Methodology

2.2 Group Organization

2.3 Project Phases

2.3.1 Planning and research

2.3.2 Sprints

2.3.3 Documentation and delivery

2.4 Risk Management

2.5 Quality Assurance

3 Preliminary Studies

3.1 Methodology

3.1.1 Development process

3.1.2 Conclusions

3.2 Game Concept

3.2.1 Power industry

3.2.2 Similar game concepts

3.2.3 Conclusions

3.3 Mobile technology

3.3.1 Mobile platform

3.3.2 Crossplatform

3.3.3 Native

3.3.4 Conclusions

3.4 Mobile development

3.4.1 Native languages

3.4.2 JavaScript, HTML5, and CSS3

3.4.3 Frameworks

3.4.4 Conclusions

3.5 Test

3.5.1 Testing cycle

3.5.2 Testing activities

3.5.3 Testing frameworks

3.5.4 Conclusions

4 Requirement specification

4.1 Userstories

4.2 Use case diagrams

4.3 Functional requirements

4.4 Non-functional requirements

5 Game architecture

6 Test

7 Sprint 1

7.1 Sprint planning

7.2 Requirements

7.3 Implementation

7.4 Testing

7.5 Delivery

7.5.1 Planned delivery

7.5.2 Actual delivery

7.6 Customer feedback

7.7 Sprint retrospective

7.8 Evaluation

8 Sprint 2

8.1 Sprint planning

8.2 Requirements

8.3 Implementation

8.4 Testing

8.5 Delivery

8.5.1 Planned delivery

8.5.2 Actual delivery

8.6 Customer feedback

8.7 Sprint retrospective

8.8 Evaluation

9 Sprint 3

9.1 Sprint planning

9.2 Requirements

9.3 Implementation

9.4 Testing

9.5 Delivery

9.5.1 Planned delivery

9.5.2 Actual delivery

9.6 Customer feedback

9.7 Sprint retrospective

9.8 Evaluation

10 Sprint 4

10.1 Sprint planning

10.2 Requirements

10.3 Implementation

10.4 Testing

10.5 Delivery

10.5.1 Planned delivery

10.5.2 Actual delivery

10.6 Customer feedback

10.7 Sprint retrospective

10.8 Evaluation

11 Templates and standards

11.1 Templates

11.2 Standards