Sprint Planning

Restaurant Seating Simulator

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**Version:** 1.0 Edgars Kruze

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# Introduction

This document shows the sprint planning for the Restaurant Seating Simulator project. The planning is represented as mini-project plans. Every mini-project plan includes section with deliverables, time table (tasks to be completed during the sprint, priority, people assigned to the task, estimate time for completing the task). Each sprint will last for 2 weeks, except the last sprint, which will last only one week. At the end of each sprint there should be a working demo, design documentation, executed test cases, test report based on the results from the test cases and of course the application’s code.

# Overview of sprints

|  |  |  |
| --- | --- | --- |
| Sprint ID | Weeks | Dates |
| 1 | 11-12 | 14 Nov – 27 Nov 2016 |
| 2 | 13-14 | 28 Nov – 11 Dec 2016 |
| 3 | 15-16 | 12 Dec – 25 Dec 2016 |
| 4 | 17 | 9 – 15 Jan 217 |

# Sprint 1 (Weeks 11 – 12)

The sprint starts on November 14th 2016 and ends on November 27th 2016. The deadline for sending all deliverables is 27th November 2016 by 00:00. Below is a table with tasks to be completed during this sprint, their priority, persons assign to the task and estimate time for finishing the task. **Note a task can be assigned to more than one person and tasks will be executed simultaneously. This is valid for all sprints.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task** | **Priority** | **Assign to** | **Estimate**  **time** |
| Interface implementation | High | Edgars | 1 day |
| Create floor plan | High | Dean | 1 day |
| Design picture of table | High | Dean | 1 day |
| Create classes Table, Bar, MergeTable | High | Edgars | 1 day |
| Create UML class diagram | High | Nikola | 1 day |
| Create design document | High | Robbert | 1 day |
| Create Order class | Low | Robbert | 1 day |
| Implement placing table | High | Dean | 1 day |
| Implement placing bar | High | Dean | 1 day |
| Implement draw smoke area | Low | Nikola | 1 day |
| Implement draw group area | High | Nikola | 1 day |
| Execute test cases | Medium | Nikola | 1 day |
| Write test report | Medium | Nikola | 1 day |
| Make sequence diagrams | High | Robbert | 1 day |
| Prepare demo | High | Nikola, Robbert | 1 day |

## Deliverables

* Application’s code
* Demo
* Design document
* Test cases
* Test report

# Sprint 2 (Weeks 13-14)

The sprint starts on 28th November 2016 and ends on 11th December 2016. Below is table with tasks for this sprint and after that deliverables for this sprint. Deadline for the deliverables 11th December 00:00.

|  |  |  |  |
| --- | --- | --- | --- |
| **Task** | **Priority** | **Assign to** | **Estimate**  **time** |
| Implement draw waiting area | High | Edgars | 1 day |
| Implement merge tables | High | Dean | 2 days |
| Implement Delete component | High | Dean | 1 day |
| Implement unmerge tables | High | Edgars | 2 days |
| Create SimulationData class | Medium | Robbert | 1 day |
| Implement start simulation | High | Nikola | 2 days |
| Implement stop simulation | High | Nikola | 2 days |
| Execute test cases | Medium | Robbert | 1 day |
| Write test report | Medium | Robbert | 1 day |
| Prepare demo | High | Dean, Edgars | 1 day |

## Deliverables

* Application’s code
* Demo
* Design document
* Test cases
* Test report

# Sprint 3 (Weeks 15 – 16)

This sprint starts on 12th December and finishes on 25th December. Deadline for sending all deliverables is 25th December 00:00. Below is a table with tasks for Sprint 3.

|  |  |  |  |
| --- | --- | --- | --- |
| **Task** | **Priority** | **Assign to** | **Estimate**  **time** |
| Implement pause simulation | Medium | Robbert | 2 days |
| Implement ‘Save’ simulation file | High | Nikola | 1 day |
| Implement ‘Save as’ simulation file | High | Nikola | 1 day |
| Implement ‘Load’ simulation file | High | Nikola | 1 day |
| Implement customer flow number | Medium | Edgars | 1 day |
| Implement customer flow counter | Medium | Dean | 1 day |
| Implement peak hour option | Low | Edgars | 2 days |
| Implement save simulation statistics | High | Nikola, Robbert | 1 day |
| Execute test cases | Medium | Dean, Edgars | 2 days |
| Write test report | Medium | Dean, Edgars | 1 day |
| Prepare demo | High | Dean, Robbert | 1 day |

## Deliverables

* Application’s code
* Demo
* Design document
* Test cases
* Test report

# Sprint 4 (Week 17)

Sprint 4 will be the last sprint. According to the ProCP workbook at the end of week 17 (9th – 15th January 2017) all documents, the application code and the process report should be handed in. Deadline for the sprint will be 15th January 23:55. Below is a table with tasks.

|  |  |  |  |
| --- | --- | --- | --- |
| **Task** | **Priority** | **Assign to** | **Estimate time** |
| Modify project plan (if necessary) | High | Nikola | 1 day |
| Modify URS (if necessary) | High | Dean | 1 day |
| Modify Process report (if necessary) | High | Robbert | 1 day |
| Modify Design documents (if necessary) | High | Nikola | 1 day |
| Modify test cases (if necessary) | High | Nikola, Dean, Robbert, Edgars | 1 day |
| Modify test reports (if necessary) | High | Nikola, Dean, Robbert, Edgars | 1 day |
| Modify test plan (if necessary) | High | Nikola | 1 day |
| Finishing work on the app | High | Nikola, Dean, Robbert, Edgars | 3 days |
| Execute test cases | High | Edgars | 2 days |
| Write test report | High | Edgars | 1 day |
| Prepare demo | High | Nikola, Dean, Robbert, Edgars | 1 day |

## Deliverables

* Application’s code
* Demo
* Design document
* Test cases
* Test report
* Final version project plan
* Final version URS
* Final version Test plan
* Final version Test cases
* Final version Process report
* Final version Design documentation
* Final version Test reports