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# Global work division

## Week 1

**TO DO**

### Create template for documents.

* Choosing project and researching.
* Setting up documents and working environments.
* Discussing about proposals.
* Taking notes.

### Who did what:

|  |  |  |
| --- | --- | --- |
| **Task** | **In charge** | **Progress** |
| Creating template for project plan | Redzhep Molaahmed, Huy Bui | Done |
| Agenda, arranging meeting | Abraham Ackom-Mensah, Imran Touqi | Done |
| Documenting | Son Duong, Dean Selivestrov | Done |
| Contacting tutor | Redzhep Molaahmed | Done |

## Week 2

### **TO DO**

* Researching project tools and IDE.
* Brainstorming project scenarios.
* Documenting all questions.
* Specifying roles of members in project.
* Taking notes.

### Who did what:

|  |  |  |
| --- | --- | --- |
| **Task** | **In charge** | **Progress** |
| Discuss and brainstorming the solution for the project. | Everyone | Done |
| Updating project plan | Son Duong, Redzhep Molaahmed | Done |
| Concept proposal between group. | Everyone | Done |
| Git repository, Trello, Google Doc. | Huy Bui, Abraham Ackom-Mensah | Done |
| Updating proposals document | Dean Selivestrov, Imran Touqui | Done |
| Creating meeting agenda and contacting Tutor | Abraham Ackom-Mensah, Redzhep Molaahmed | Done |
| Taking minute | Son Duong | Done |

## Week 3

**TO DO**

* This week deliverable: final version of project plan and URS, concept version of irrelation 1.
* Also, think about the features.

### Who did what:

|  |  |  |
| --- | --- | --- |
| **Task** | **In charge** | **Progress** |
| Reviewing final version of the project plan | Everyone | Done |
| Updating project plan final version | Redzhep Molaahmed, Abraham Ackom-Mensah | Done |
| Updating URS ( deliverables) | Son Duong, Imran Touqi | Done |
| Updating URS ( use cases) | Everyone | Done |
| Research available product | Huy Bui, Dead Selivestrov | Done |
| Iteration 1 concept version | Son Duong, Dean Selivestrov | Done |
| Research framework, IDE and library | Everyone | Done |
| Creating a meeting agenda and contacting Tutor | Abraham Ackom-Mensah, Redzhep Molaahmed | Done |
| Taking minute | Son Duong | Done |

## Week 4

**TO DO**

* Get to more detail description on all documents.
* Next meeting: more detail iteration planning and URS, see how to split up the tasks.
* Modify the use cases and functional requirement according to the tutor’s suggestions.
* Filling work division on iteration 1 document
* A split team in 2. (3 design and 3 coding)

### Who did what:

|  |  |  |
| --- | --- | --- |
| **Task** | **In charge** | **Progress** |
| Review all documents and discussing possible improvements | Everyone | Done |
| Update iteration 1 work division | Redzhep Molaahmed, Dean Selivestrov | Done |
| Update all documents on Google Doc and Trello | Abraham Ackom-Mensah, Huy Bui | Done |
| Update URS - functional requirements | Son Duong, Imran Touqi | Done |
| Creating a meeting agenda and contacting Tutor | Abraham Ackom-Mensah, Redzhep Molaahmed | Done |
| Taking minute | Son Duong | Done |

## Week 5

**TODO**.

* Modify use cases based on feedback. (Use case for putting data of user)
* Modify URS document (functional deliverables)
* The working document need to specify working part and time spent on it.
* Do research about Moving algorithm, UI and tools would be used in the future to develop the features.
* Makes decision about Scenario the app would be simulating, showing result in a graph.
* Synchronize all the document on Trello and Google document.
* Spread out a task in week 6 7
* Prepare for coding and designing the app.

### Who did what:

|  |  |  |  |
| --- | --- | --- | --- |
| Task | In charge | Progress | Time spent |
| Brainstorming UML, use cases, moving algorithm | Everyone | Done | 5 hours |
| Updating URS document (use cases, UI) | Abraham, Dean | Done | 1 hour |
| Documenting UML | Son Duong, Redzhep | 70% | 2 hours |
| Collision detection method | Huy Bui | 70% |  |
| The concept version of the design and starting the application | Imran Touqi | Done | 2 hours |
| Creating a meeting agenda and contacting Tutor | Abraham, Redzhep | Done | 30 minutes |
| Taking a minute, Work division | Son Duong | Done | 1 hour |

## Week 6

**TO DO**

* Updates class diagram for.
* Updates GUI.
* The concept version of iteration 2.
* A concept version of the design document.
* Implements functionalities.
* Collision detection.
* Grid systems ( iteration 2).
* Obstacles ( iteration 2).
* Moving algorithm.

### Who did what:

|  |  |  |  |
| --- | --- | --- | --- |
| Task | In charge | Progress | Time spent |
| Brainstorming functionalities, Grid systems, class diagram. | Everyone | Done | 10 hours |
| GUI & design generates UML | Imran Touqi | Done | 2 hours |
| Implement functionalities, adding a class in the app and code | Imran, Redzhep, Abraham, Son | Done | 5 hours |
| A concept version of the iteration 2 plan | Abraham Ackom-Mensah | Done | 1 hour |
| A concept version of the design document | Son Duong, Huy Bui, Dean Selivestr | Done | 3 hour |
| Restructure all documents | Everyone | Done | 2 hours |
| Creating a meeting agenda and contacting Tutor | Abraham, Redzhep | Done | 30 minutes |
| Taking a minute, Work division | Son Duong | Done | 1 hour |

## Week 7

**TO DO**

* URS final version
* Iteration 1 final version
* Do the sequence and UML for iteration 1
* Concept version iteration 2
* Documenting all of that

### Who did what:

|  |  |  |  |
| --- | --- | --- | --- |
| Task | In charge | Progress | Time spent |
| Review functionalities, deliverables and frontend code | Everyone | Done | 2 hours |
| Modify GUI design, frontend code for visualizing the movement of person on floor. | Imran Touqi | Done | 1 hours |
| Update URS and finish iteration 1 final version. | Abraham, Dean, Son | Done | 1.5 hours |
| Final version of UML for iteration 1 | Redzhep, Huy, Imran | Done | 1.5 hours |
| Final version of sequence diagrams for iteration 1 | Son, Dean, Abraham | Done | 1.5 hours |
| Restructure all documents | Everyone | Done | 2 hours |
| Creating meeting agenda and contacting Tutor | Abraham, Redzhep | Done | 30 minutes |
| Taking minute, Work division | Son Duong | Done | 1 hour |

## Week 8

**TO DO**

* **Exam week, goodluck.**

## Week 9

**TO DO**

* Update URS the last time for iteration 1.
* Agree on final proposal for iteration 1 and what are we gonna present to the tutors.
* Optimize all functionalities before the design.

### Who did what:

|  |  |  |  |
| --- | --- | --- | --- |
| Task | In charge | Progress | Time spent |
| Review functionalities, deliverables and optimize it for the presentation | Everyone | Done | 7 hours |
| Modify frontend code, design | Imran Touqi, Huy Bui | Done | 3 hours |
| Final version URS for iteration 1 | Abraham, Imran | Done | 1 hours |
| Implement new frontend code | Huy, Son, Redzhep | Done | 4.5 hours |
| Implement backend algorithm | Redzhep, Abraham, Dean | Done | 4 hours |
| Restructure all documents | Everyone | Done | 1.5 hours |
| Creating meeting agenda and contacting Tutor | Abraham, Redzhep | Done | 30 minutes |
| Taking minute, Work division | Son Duong | Done | 1 hour |

## Week 10

**TO DO**

* Presentation prepared.
* Scenarios agreement within group members.
* Final functionalities implemented.

### Who did what:

|  |  |  |  |
| --- | --- | --- | --- |
| Task | In charge | Progress | Time spent |
| Review functionalities, deliverables and optimize it for the presentation | Everyone | Done | 8 hours |
| Final version of frontend code for iteration 1 | Huy, Dean, Imran | Done | 4 hours |
| Final version of backend code for iteration 1 | Redzhep, Son, Abraham | Done | 4 hours |
| Implement new frontend code | Huy, Son, Redzhep | Done | 4 hours |
| Implement backend algorithm | Redzhep, Abraham, Dean | Done | 4.5 hours |
| Restructure all documents | Everyone | Done | 1 hours |
| Prepare presentation | Imran, Son | Done | 2 hours |
| Creating meeting agenda and contacting Tutor | Abraham, Redzhep | Done | 30 minutes |
| Taking minute, Work division | Son Duong | Done | 1 hour |

## Week 11

**TO DO**

* Taking feedback from the presentation into consideration.
* Review deliverables for iteration 2.
* Concept version of iteration 3.
* Updates documents.

### Who did what:

|  |  |  |  |
| --- | --- | --- | --- |
| Task | In charge | Progress | Time spent |
| Do the presentation | Abraham,Imran | Done | 1 hour |
| Review feedback from other students and tutors. | Everyone | Done | 2 hours |
| Researching updated moving algorithm. | Redzhep, Son, Dean | Done | 1 hour |
| First attempt on multi-thread moving people | Huy, Abraham, Imran | Done | 2 hours |
| Restructure all documents (work division, URS, iteration 2 document, concept version iteration 3). | Son, Redzhep, Dean | Done | 2 hours |
| Creating meeting agenda and contacting Tutor | Abraham, Redzhep | Done | 30 minutes |
| Taking minute, Work division | Son Duong | Done | 30 minutes |

## Week 12

**TO DO**

* Make unit test for the application. (showing to the tutor next week)
* Planning iteration 3. (showing next week)
* Update design document. (showing next week)
* Put the google doc link in agenda.
* Meeting next wednesday 12.30.

### 

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### Who did what:

|  |  |  |  |
| --- | --- | --- | --- |
| Task | In charge | Progress | Time spent |
| Review feedback from tutor and brainstorming next steps of the project. | Everyone | Done | 1 hours |
| Update Iteration 2 plan documents and create concept version of iteration 3 | Imran, Dean | Done | 1.5 hour |
| Putting fire into the grid | Imran, Son, Redzhep, Huy, Abraham | Done | 1.5 hour |
| Update design document ( UML iteration 1, entities, iteration 2 things..) | Imran, Son, Redzhep | Done | 1.5 hours |
| Moving multiple people at the same time | Huy | Done | 3 hours |
| Prepare simple statistics before we implement it next week | Imran, Abraham,Huy | Done | 1 hour |
| Creating meeting agenda and contacting Tutor | Abraham, Redzhep | Done | 30 minutes |
| Taking minute, Work division | Son Duong | Done | 30 minutes |

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## Week 13

**TO DO**

* UML & sequence iteration 2.
* Unit testing (maybe in separate document).
* Application enhancement.
* Next week Wednesday 12.30.

### 

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### Who did what:

|  |  |  |  |
| --- | --- | --- | --- |
| Task | In charge | Progress | Time spent |
| Review feedback from tutor and brainstorming next steps of the project. | Everyone | Done | 1 hours |
| Finish people moving at the same time and avoiding fire | Imran, Son, Redzhep, Huy, Abraham | Done | 3 hour |
| Update design document ( UML iteration 2, sequence diagram..) | Imran, Son | Done | 1.5 hours |
| Fire spreading throughout the time of the simulation. | Abraham | Done | 4 hours |
| Hardcoded statistic panel | Imran, Abraham | Done | 2 hours |
| Fixing git conflict | Dean,Huy, Redzhep | Done | 1.5 hours |
| Creating meeting agenda and contacting Tutor | Abraham, Redzhep | Done | 30 minutes |
| Taking minute, Work division | Son Duong | Done | 30 minutes |

## 

## Week 14

**TO DO**

* UML & sequence iteration 2.
* Unit testing (maybe in separate document).
* Application enhancement.
* Next week Wednesday 12.30.

### 

### 

### Who did what:

|  |  |  |  |
| --- | --- | --- | --- |
| Task | In charge | Progress | Time spent |
| Review feedback from tutor and brainstorming next steps of the project. | Everyone | Done | 1.5 hours |
| Warning message and reset functions. | Son, Huy | Done | 1.5 hours |
| Showing statistics in graph | Imran | Done | 2.5 hours |
| Spawning people randomly within the floor | Abraham, Dean | Done | 2.5 hours |
| Unit testing | Everyone | Done | 2.5 hours |
| Multiple simulations | Redzhep | Done | 2 hours |
| Debugging | Son, Huy, Abraham | Done | 2 hours |
| Creating meeting agenda and contacting Tutor | Abraham, Redzhep | Done | 30 minutes |
| Documents | Son Duong | Done | 1 hour |

## 

## Week 15

**TO DO**

* Put more variables that we think valuable for the simulation. ( speed, health,...)
* Next meeting in 8 of january 12.30.
* Documents

### 

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### Who did what:

|  |  |  |  |
| --- | --- | --- | --- |
| Task | In charge | Progress | Time spent |
| Review feedback from tutor and brainstorming next steps of the project. | Everyone | Done | 2 hours |
| Multiple simulations | Redzhep | Done | 6 hours |
| Statistic functionalities | Imran | Done | 6 hours |
| Put more characteristic in Agent of the simulation | Son, Redzhep | Done | 3 hours |
| Implement new features and fix pathfinding code | Everyone | Done | 3.5 hours |
| UI changes | Son, Huy | Done | 2.5 hours |
| Debugging | Everyone | Done | 4 hours |
| Creating meeting agenda and contacting Tutor | Abraham, Redzhep | Done | 30 minutes |
| Documents | Son Duong | Done | 1 hour |

## Week 16

**TO DO**

* Redesign the UI of application, make it more accessible.
* Multiple statistic showing.
* Update design document.
* Optimize scenarios of the simulation.
* Documents.

### Who did what:

|  |  |  |  |
| --- | --- | --- | --- |
| Task | In charge | Progress | Time spent |
| Review feedback from tutor and brainstorming next steps of the project. | Everyone | Done | 3 hours |
| Multiple simulation statistics | Son, Imran, Abraham, Redzhep | Done | 8 hours |
| Design document, URS | Abraham, Son, Redzhep | Done | 3 hours |
| Unit testing | Dean, Abraham | Done | 3 hours |
| UI changes | Huy, Dean | Done | 2 hours |
| Fire distinguisher suggestion | Abraham, Huy | Done | 2 hours |
| Doing research about scenarios and add need variables | Everyone | Done | 2.5 hours |
| Creating meeting agenda and contacting Tutor | Abraham, Redzhep | Done | 30 minutes |
| Restructure all documents and code | Everyone | Done | 4 hours |

## Week 16

**TO DO**

* Presentation
* Push documents on git.
* Final enhancement for the application.
* Test simulation for demo in presentation.

### Who did what:

|  |  |  |  |
| --- | --- | --- | --- |
| Task | In charge | Progress | Time spent |
| Review feedback from tutor and final decision | Everyone | Done | 3 hours |
| Design document, URS | Huy, Son, Redzhep | Done | 3 hours |
| Unit testing | Dean, Abraham | Done | 3 hours |
| UI changes | Imran | Done | 2 hours |
| Final presentation idea and preparation | Everyone | Done | 2 hours |
| Create presentation | Son Duong | Done | 2 hours |
| Creating meeting agenda and contacting Tutor | Abraham, Redzhep | Done | 30 minutes |
| Restructure all documents and code | Everyone | Done | 4 hours |