<Final Project Name>

Documentation

Team <#> - <team name>

<Student1>

<Student2>

<Student3>

<Student4>

Date: dd-mmm-yyyy

unaccepted Revision: 0.1

*{To use this template, replace all items in the < > tags. Replace all < > text like this italic text in curly-braces with your documentation for the described items. You are encouraged to add sections to this document, and personalize it for your team. Remove this comment, all < > and other unneeded items after editing. Points off for every < > and any of these comments remaining in the final document.}*

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Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Date** | **Reason for Change** | **Version** |
| Ima Student | dd-mmm-yy | Initial release | 0.1 |
|  |  |  |  |

# Executive overview

*{Describe the project for someone at a high non-technical level could understand what this project is about. This paragraph may be the only thing this high-level manager may read. Describe it completely, but no technical information here. This may take several paragraphs to pages.}*

# Audience

*{Who needs to read this document, and would be interested in the inner workings of your application. This is NOT the professor, or anyone who wants to play your game! This is your project being released by a company for public consumption. Who could gain by reading the information in this document? Think of what information is requested in the headings that follow.}*

## Application intentions

*{What purpose does this application serve? Who is the target audience for this application? }*

# Assumptions made for this project

*{Need network…}*

# *Gantt chart (not required)*

<Use a Gantt chart program, such as:

Microsoft Project is available in the labs.

<http://www.ganttproject.biz/ganttproject-2.0.10.jnlp>

>

*{Regular font Tasks below are needed some have set dates. Italic items are either ongoing items, or expected to be moved. For all of these, your team will brainstorm and add items to the Gantt task descriptions and Gantt chart.}*

*{Copy/Paste your MS Project text here, and delete the columns that aren’t of interest, such as removing predecessors and successor columns. Keep the task name, who is assigned to the task, dates, milestone indicator and completion percentage. }*

## Gantt task descriptions:

| **WBS** | **M** | **Tasks** | **Date (if known)** |
| --- | --- | --- | --- |
| 1 | M | Assigned project ideas | w3c2-d8 |
| 2 |  | Individually think about possible projects |  |
| 3 | M | Project ideas discussed in class | w4c1-d10 |
| 3.1 |  | Discuss projects with possible team(s) / team member(s) |  |
|  |  |  |  |
|  | M | Teams formed | w4c1-d11 |
|  |  |  |  |
| N | M | Design Document assigned | w4c2-d12 |
| N.1 |  | *Design discussions {incl: scope of project}* |  |
| N.2 |  | *Update design document* |  |
| N.3 |  | *Risk management plan* |  |
|  |  |  |  |
|  |  | System Design |  |
|  | M | Team present project topic to class | w5c1-d13 |
|  |  | *GUI Prototype* |  |
|  | M | Write project plan for lab, update design document | w5c3-d15 |
|  |  |  |  |
|  | M | Design Documents due for review, end of class | w6c1-d16 |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  | M | Mid-project review: GUI with integrated chat | w8c2-d23 |
|  |  |  |  |
|  |  | Teams write test document – due in class | w9c3-d27 |
|  |  |  |  |
|  |  | *System testing – update test document with results* |  |
|  | M | Grid testing *{tentative}* | w10c1-d28 |
|  |  |  |  |
|  |  | Team by team review/evaluations with instructor | w10 d29-30 |
|  |  |  |  |
|  |  | *Prepare presentation* |  |
|  | M | Trade show (System Deployment) | *Week 11* |

*M = Milestones*

*{Brainstorm with your team, you will need MANY more tasks that listed. Not only where gaps appear.}*

# *Class and method overview*

Overview of the classes and functionality.

Project parameter Interface

* Contains Port number constants, used by Client and Server
* Contains Author and About messages

Client

* Main method
  + Detects any command line arguments
* Client constructor
  + Create GUI
  + Thread started for…

Server

* Main method
  + Detects any command line arguments
* Blah, blah, blah
* ?
  + Thread started for…

# <Project> UML

< UML designer / code generator: <http://argouml.tigris.org/> >

# Client GUI

*{Screen shot(s) }*

# Networking connections & Protocols

Client connection to server: *{How is server IP specified on the client?}*

Port number(s): 00000 *{describe what is the purpose of the port(s) used?}*

Protocol interface code for both client and server:

*{Interface for the protocol, any abstract methods, constants, etc.}*

# Communication class

**Chat interaction between Clients and Server.**

*{Chat}*

*{Description here: Server starts first, then multiple clients connect to the server, a client user can then … the server will ...}*

| **Client** | **Communication** | **Server** |
| --- | --- | --- |
|  |  | Startup |
|  |  | Waits for client to connect  Accept connection |
| Client connection | Connection, no data 🡪 |
| Client sends < ….. > | <some information> 🡪 | Server reads info |
|  |  | <some process on info> |
| Client receives <info> | 🡨 <some information to [one/all] client(s)> | Sends message to client(s) |
| Client < does something> |  |  |
| ???? | ??? 🡪 | ??? |
|  | 🡨 |  |
|  |  |  |
| *Fill* | *this* | *in* |

*{Complete the above table. Communication will continue to finish the process of chat. This interaction will repeat for the main program’s communication too in your application.}*

# Data used

*{List and describe each file, URL, network connection being used.   
Do not include the data.}*

# Data files

{If you use any external files, explain why they are used. Should any files be hidden files, explain why are you are using hidden files.}