

Configuration Control Plan Tac-Com

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Software Configuration Management Plan

Reference Documents

All reference documents will be maintained within a folder in the team GitHub Repository stored in a separate folder from our team's code [1].

Management

Organization and Responsibilities

Karl Heidtbrink will be responsible for monitoring the software configuration and managing activities configuration throughout the course of the project. Other members of the team will determine whether Karl will remain the configuration manager along with the project advisor Sriram Mohan.

Policies, Directives, and Procedures

- The GitHub Repository must contain meeting hours for all project team members [1].
- Feedback from advisor meetings will be recorded and submitted to the GitHub Repository [1]
- All additions or modifications to the team GitHub Repository will be reported to the configuration manager [1]

Activities

Configuration Identification

Identifying Configuration Items

The items that will be stored under configuration control include the following

- Design Documentation
- Source Code
- Any Generated Content
- Game Data Files
- Localization Files

Naming Conventions

All documents within configuration control will begin with the letters "tacom_" followed by the document name which will be all lower case and not contain any spaces or underscores.

Game data files and localization files will follow the same naming conventions as documents.

The source code will follow naming conventions as given by Microsoft's Visual Studio and XNA guidelines [2] [3].

Acquiring Configuration Items

All files under configuration control will be placed within their respective directory within our GitHub Repository. Additional directories may be created at the discretion of the configuration manager [1].

The directories within our repository are as follows:

- Source (contains all source code)
- Documentation (contains all design documentation)
- GameData (contains all game data files)
- Localization (contains localization files)

Configuration Control

Requesting Changes

Requests for changes may be sent to the configuration manager by email with the following format

- Change Title
- Description
- Reason for Change
- Priority (Low, Medium, or High)

Evaluating Requested Changes

The final decision will be rendered by the configuration manager but will be brought to discussion by the group before a decision is made.

Approving or Disapproving Changes

An email response will be sent to all project team members including the original requester stating whether or not the request has been approved.

Implementing Changes

Once a change has been completed an email will be sent to the configuration manager notifying him that the change will be pushed to the repository.

Configuration Audits and Reviews

Any configuration audits or reviews will be carried out by all members of the project team and may be conducted at any time as determined by the configuration manager.

Resources

Schedules

A file containing information on all scheduled and completed group meetings will be maintained in the Documentation directory on the GitHub repository [1]. If any additions or changes to this file are made, an email must be sent to all project group members notifying them of the change

Resources

Git configuration control will be used for all project configuration control [1].

Plan Maintenance

The configuration manager is responsible for monitoring and maintain the configuration control plan and ensuring compliance of the team repository to the configuration control plan.

Changes to the plan must be approved by unanimous consensus as determined by a discussion of the change at the time that the change is brought to the table. The change will be recorded in the revision table located in this document.

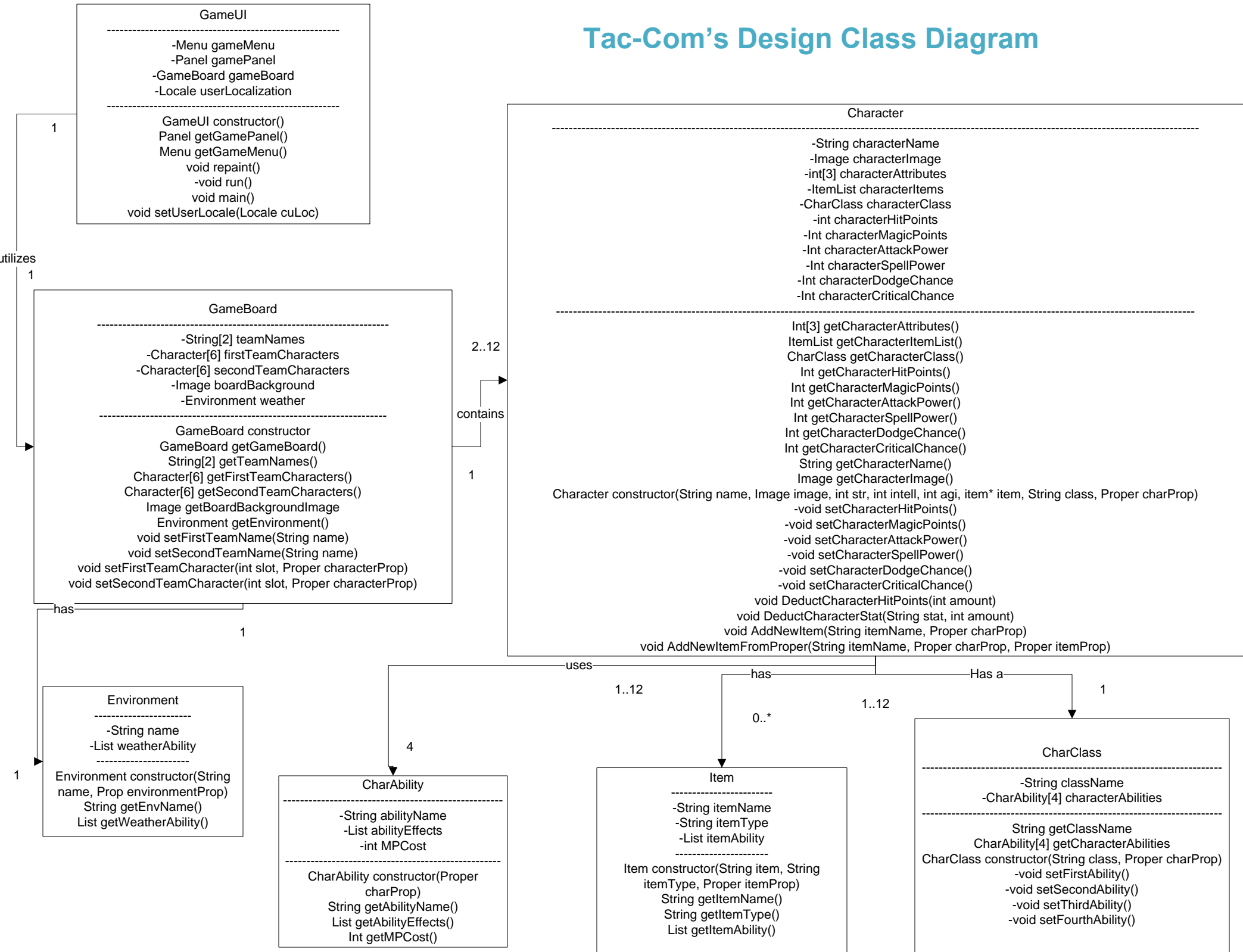
Revision History

Revision Number	Summary of Changes	Date
0	Initial file creation and drafting by all project team members	4/8/11

Bibliography

- [1] Rackspace Hosting. (2011, April) GitHub. [Online]. <https://github.com/>
- [2] Microsoft Corporation. (2011, March) Design Guidelines for Class Library Developers. [Online]. <http://msdn.microsoft.com/en-us/library/czefa0ke%28v=vs.71%29.aspx>
- [3] Microsoft Corporation. (2011, March) XNA Game Studio 4.0. [Online]. <http://msdn.microsoft.com/en-us/library/bb200104.aspx>

Tac-Com's Design Class Diagram



Tac-Com's Package Diagram

