

# GUI CRC Cards

## Game Application

<b>Start Game</b>	Game Display
<b>Reset Game</b>	Client
<b>Quit Game</b>	Server
<b>Show Main Menu</b>	
<b>Load Entities</b>	

## Game Display

<b>Show Inventory</b>	Menu
<b>Display Information</b>	Heads Up Display
<b>Show Menu</b>	In Game Menu
<b>Show Controls</b>	Key Binding

## Menu

<b>Enter Game</b>	Game Application
<b>Quit</b>	

## Inventory

<b>Show Player Inventory</b>	Pickup
<b>Show Container Inventory</b>	Container
	Player

## Key Binding

<b>Get Key</b>	
<b>Get Action</b>	

# World Logic CRC Cards

## World

<b>Move Player</b>	Room Player
<b>Can Pick Up Entity</b>	Entity
<b>Key Opens Door</b>	Key Door
<b>Can Put in Container</b>	Container

## Player

<b>Put In Inventory</b>	Entity
<b>Remove From Inventory</b>	Position
<b>Within Reach</b>	

## Door

<b>Open</b>	Player
<b>Close</b>	

## Room

<b>Can Move to Position In Room</b>	Player or Entity
<b>Put In Room</b>	
<b>Leave Room</b>	

# Serialization CRC Cards

## Loader

<b>Returns World from JSON file</b>	World
<b>Creates World</b>	Entity
<b>Returns World from String</b>	JSON Object
<b>Get Players</b>	Player
<b>Load Entities</b>	Room

## Saver

<b>Saves World</b>	World
<b>Saves World as String</b>	Entity
<b>Construct World JSON Object</b>	JSON Object
<b>Construct Entity JSON Object</b>	Player Room

# Network CRC Cards

Client	
Join Game	World
Apply Player Actions to World	Player
Update World	Server
Send Action to Server	Message
Apply Updates From Server	

Server	
Load World	World
Save World	Player
Joins Clients To Game	Server
Apply Client Updates	Message
Send Out Updates To Clients	Client
Update World	Saver
	Loader

Message
Store information about an action or entity that can be sent over the network

# Renderer CRC Card

Game Renderer	
Render The World From Players Eyes	World Player Room Entity Rendering Model
Rendering Model	
Draw Itself	
Load From File	