History Log

HistoryLog is the main class, which holds a list of log entries (HistoryEntry class).

The instance of HistoryLog is created once for the game in the GameStatus class.

The **HistoryEntry** class is general so it allows you to add any data while in the game to the log.

Each entry contains a title (data on the current phase) and the entry itself (any object and other data of the game).

To add to any data to the history log within the game:

1. Create a history entry

- 1.1. Create a new Hashtable String, Object>.
- 1.2. Add this hashtable any data (as an Object) that you would like to save to the log.
- 1.3. You can add as many entries as you need to this hashtable and choose any string for the key.
- 1.4. The key "type" is used to describe the type of the entry.
- 2. Create an instance of HistoryEntry class using the new hashtable.
- Add the new instance of HistoryEntry to the HistoryLog (using method addHistoryItem).

Print History Log:

The experimenter can print the history log anytime within the game by write the next line in the admin client shell:

\$ print log <game id> > <file>

Example

In this example we want to save player related details (id, position, score, chipset) in specific event.

In order to do that we need to create a log entry for the **player status** data in PlayerSatus class and add this entry during the event.

1. create a method to History Entry in Player Status class that would handle the representation of player status data that we want log:

2. In the GameStatus class we created an instance of the HistoryLog:

```
HistoryLog log = new HistoryLog();
```

3. Within the progress of the game when we want to add a history entry about the player status in a specific time or event, we use this code: