Documentation

Lambda functions:

In every lambda, there is a handler function. In addition it can contain all the other auxiliary files and functions.

The lambda handler always takes an event and context.

1) onConnect Lambda:

\* lambda\_handler:

Check if it’s the first connection of the client if, if yes adds him to

The database.

2) onJoin Lambda:

\* lambda\_hanlder:

Invoked when a client wants to join a poker table, and after joining the player becomes a spectator.

3) onSit Lambda:

\* lambda\_handler:

Invoke when a client is currently a spectator in a poker table, and

wants to sit on a seat and play, so the client becomes an active player.

When the number of active players is exactly 2, this function invokes the controller function to start a poker game.

4) Controller Lambda:

\* lambda\_handler:

This function can be called in 3 scenarios:

1. clientResponse function: after the clientResponse processed the response, it invokes the controller.
2. OnSit function: after two players sat on the table, controller is

Called to start the game.

1. Controller itself: lambda function have time limit, so because controller has a “while true” loop, the function invokes a new

Instance of itself before reaching the time limit.

The object of the controller is to process the current or the updated status of the game, and to broadcast the new status to all players and spectators.

The table status broadcasted to the clients contains:

\* action field with value “table\_status”.

\* Center cards.

\* players\_info: cards (closed for oppnents), names, balances.

\* Dealer position

\* Player to play ( which turn).

\* Pots of the table.

\* raise/bet fields (if a player is raising or betting).

5) ClientResponse Lambda:

\* lambda\_handler:

Checks the client response, in other words what the player has

played, and updates the database (table status) accordingly, and

invokes the controller at the end.

Valid responses of the client: { refresh, fold, check, call, bet, stand\_up, all\_in}.

Utils.py:

This file contains a functions that implement the logic and rules of the poker game.

The function are documented in the python file.