CS 511 – Quiz 6: Message Passing in Erlang

11 November 2020

Names: Pledge:

Exercise 1

You are asked to implement a guessing game. A server receives requests to play the game from clients. These requests are of the form {From,start}, where From is the Pid of the client, and start is an atom. The server should then:

- 1. generate a pseudorandom number in the range [0,10];
- 2. Aas 1 sylen mentat pay to be with me Xea, payid me generated number to be guessed;
- 3. notify the client of the PID of the "servlet"; and
- 4. then receive the period of the period of the receive the receive the period of the receive the receiv

Note that by spawning a servlet the server is always responsive to new game requests. The servlet should behave as follows:

- wait for gresses from the client of the arm POWNCOCCET Pid is its Pid, Ref is a reference number and Number is the number the client is guessing.
- answer each message, indicating whether the client has guessed (gotIt) or not (tryAgain).

The client should keep guessing random numbers. Once it has guessed correctly, both client and servlet simply ends their execution.

You can use the function rand:uniform(N) for generating random numbers between 1 and N. Also, you may include helper functions.

```
-module(gg).
-compile(export_all).
start() ->
    S = spawn(fun server/0),
        spawn(?MODULE, client, [S]).
server() ->
        exit(incomplete).
client(S) ->
        exit(incomplete).
```