

CENG 492

Computer Engineering Design

Weekly Progress Report – 3

ErikSoft
24.03.2011

Work Done:

Taylan designed the a SOAP web service. The web service now has just one method which is throwCard(). This method returns the card that is choosed by the related agent for the specified gameType and the game state.

- Inputs are:
 - gametype : String
 - playerType : String
 - pastCards : String
 - thrownCards : String
 - handCards : String
- Output is:
 - choosedCard : String

The last three inputs of this method are actually representing an array of cards. I have implemented a function which takes a Card object(our internal type) as input and converts it into a byte value and the also the inverse conversion function. Therefore every card has a unique representation with a byte value. These byte values are appended to the string by seperating with a comma, so that a string corresponding to that array can easily be formed.

The byte value for each card is computed as following formula:

A card has two fields. One is suit and other one is rank. There are four different suits: Diamonds, Hearts, Spades, Clubs. There are 13 different ranks having values in range 0-12.

- Firstly, the byte is initialized to zero.
- The rightmost two bits are reserved for representing 4 different suits.
- The nearest 3 bits are reserved for 13 different rank values.

Alper tested the soap web service that Taylan has implemented. The test procedure added to game component and for every turn of game current state of the game which includes game type, player type, past cards, thrown cards and hand cards given to web service then the output compared with the output that agent returned in the game. Then feedback about the test given to Taylan and problems with web service has been solved.

İlkcan has researched Adobe Flex Technologies since we will use this technology in our project. It is important to create games in Flash and to connect the flash application with the java project. These topics were researched and will continue to be researched until an appropriate way is found.

Volkan has finished Website of Eriksoft group and it is available on <http://senior.ceng.metu.edu.tr/2011/eriksoft/>.

All group members worked on configuration management report and it is completed.