

Systems Modeling - Homework #3

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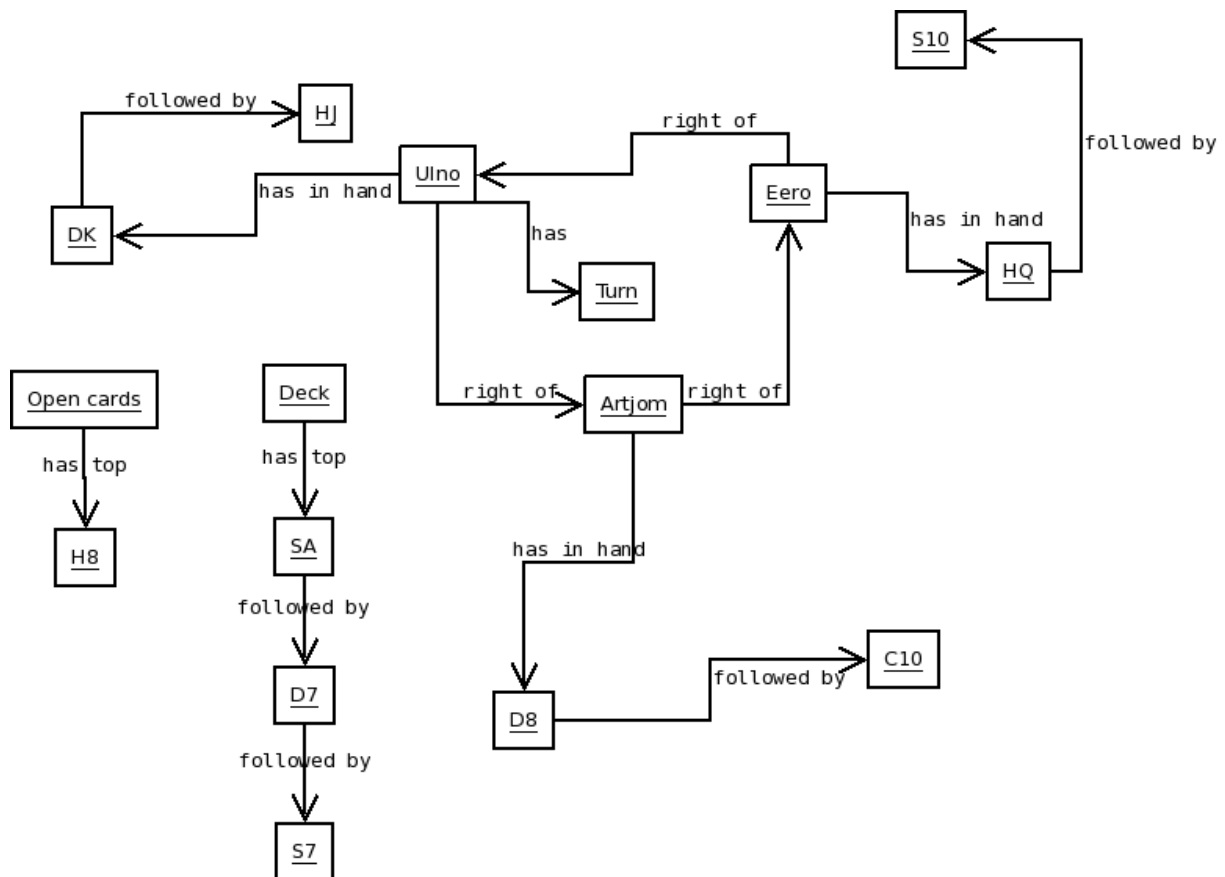
User story: "Ulno plays Jack and choses suit"

Precondition: Ulno has in his hand the cards HJ and DK, Artjom has in his hand D8 and C10, Eero's hand contains S10 and HQ. The top card of the playing stack is H8. It is Ulno's turn. The deck contains starting from the top the cards SA, D7 and S7.

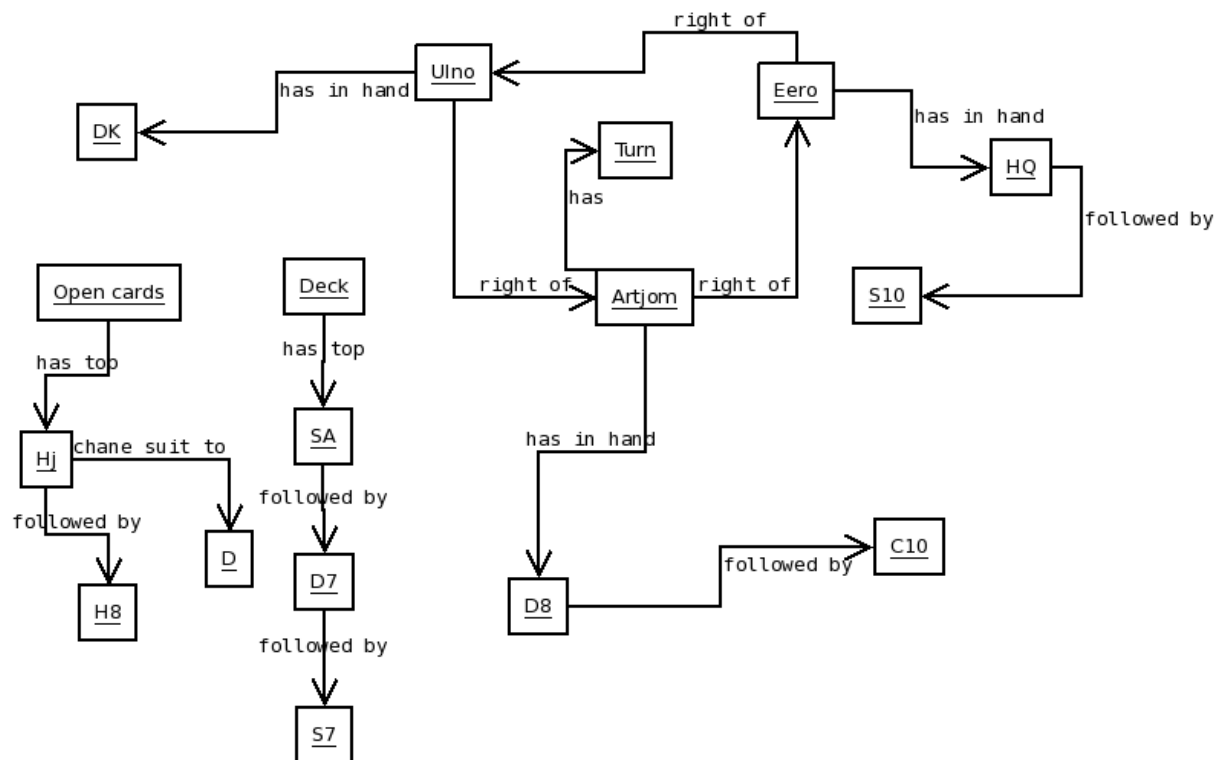
Action: Ulno plays his HJ and says that the suit to be played is Diamond. The turn goes over to Artjom.

Post-condition: The top card of the playing stack is HJ. Ulno's hand contains only DK now. Artjom's and Eero's hand remain unchanged. The suit that can be played is Diamond. It's Artjom's turn. The deck is unchanged.

Precondition object diagram



Post-condition



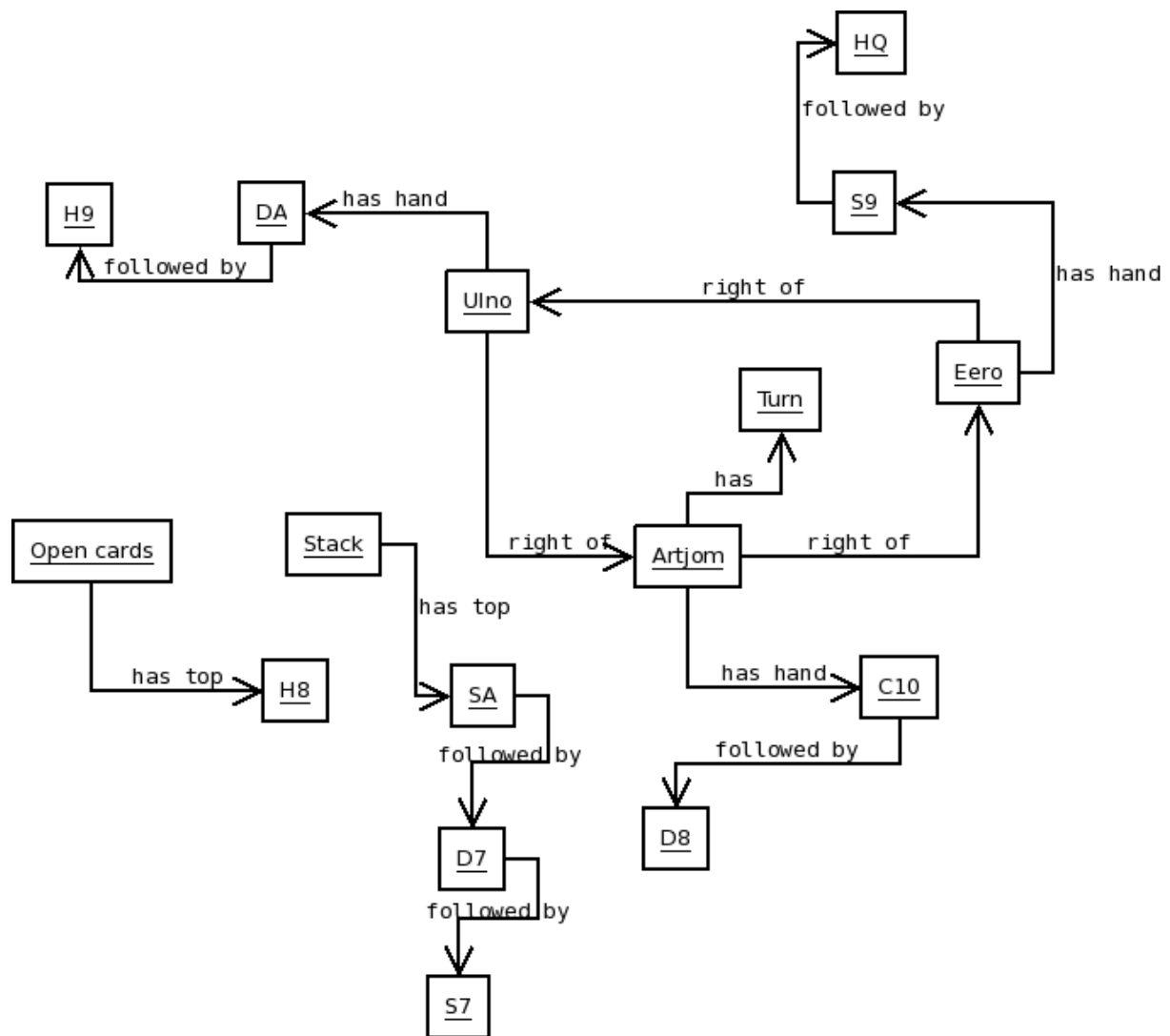
User story: “Artjom plays an 8 and Eero skips a turn”

Precondition: Ulno has in his hand the cards H9 and DA, Artjom has in his hand D8 and C10, Eero’s hand contains S9 and HQ. The top card of the playing stack is H8. It is Artjom’s turn. The deck contains starting from the top the cards SA, D7 and S7.

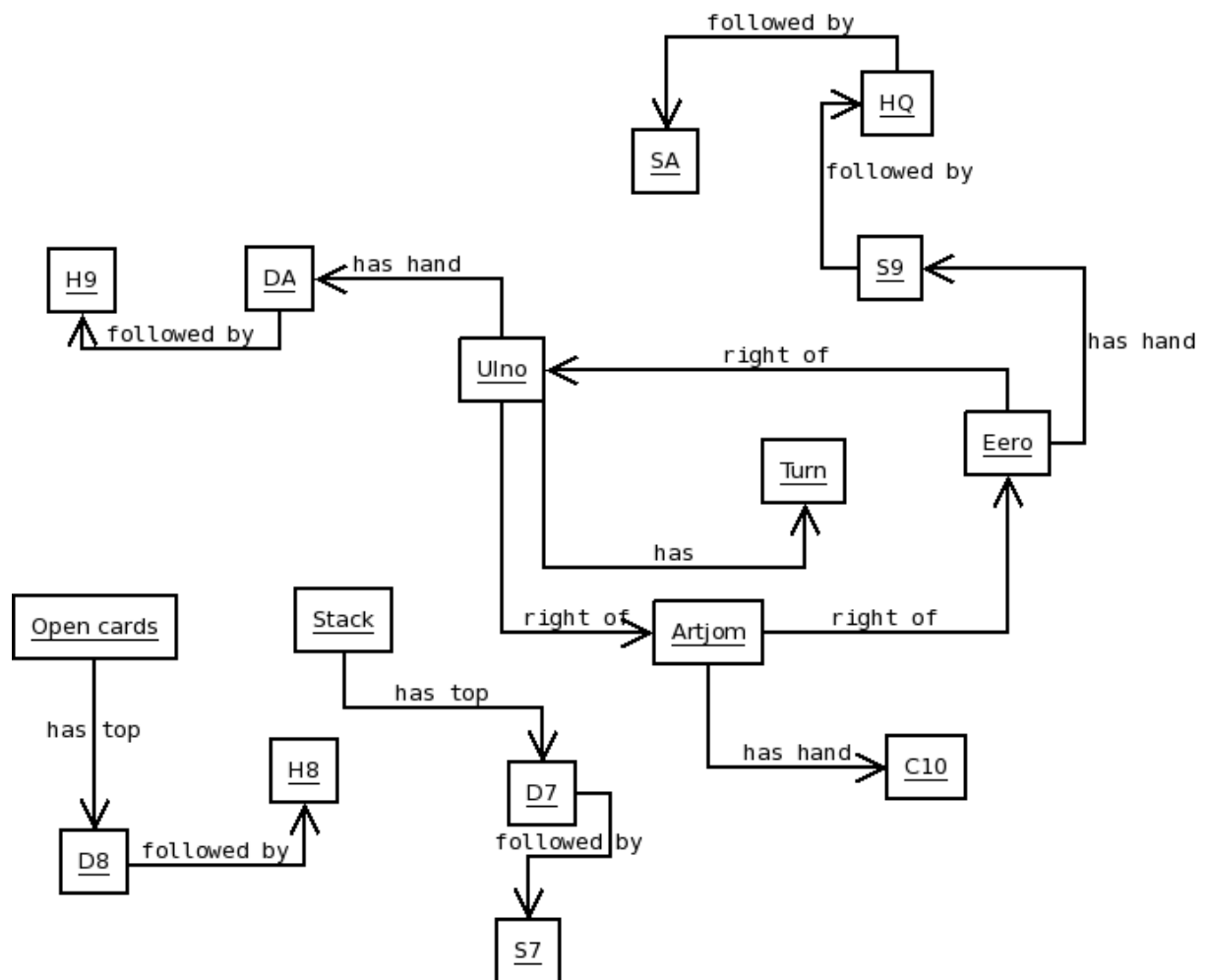
Action: Artjom plays from his hand his D8. The top card of the playing stack becomes D8. The turn goes over to Eero. Eero can’t play a card and so he draws the top card from the drawing stack. The card he drew was SA. Eero can’t play that card also and so he has to skip the turn without playing any cards. The turn goes to Ulno.

Post-condition: Artjom’s hand contains only C10. Eero’s hand has S9, HQ and SA. Ulno’s hand is unchanged. The top card of the playing stack is D8. It is Ulno’s turn. The deck contains starting from the top D7 and S7.

Precondition

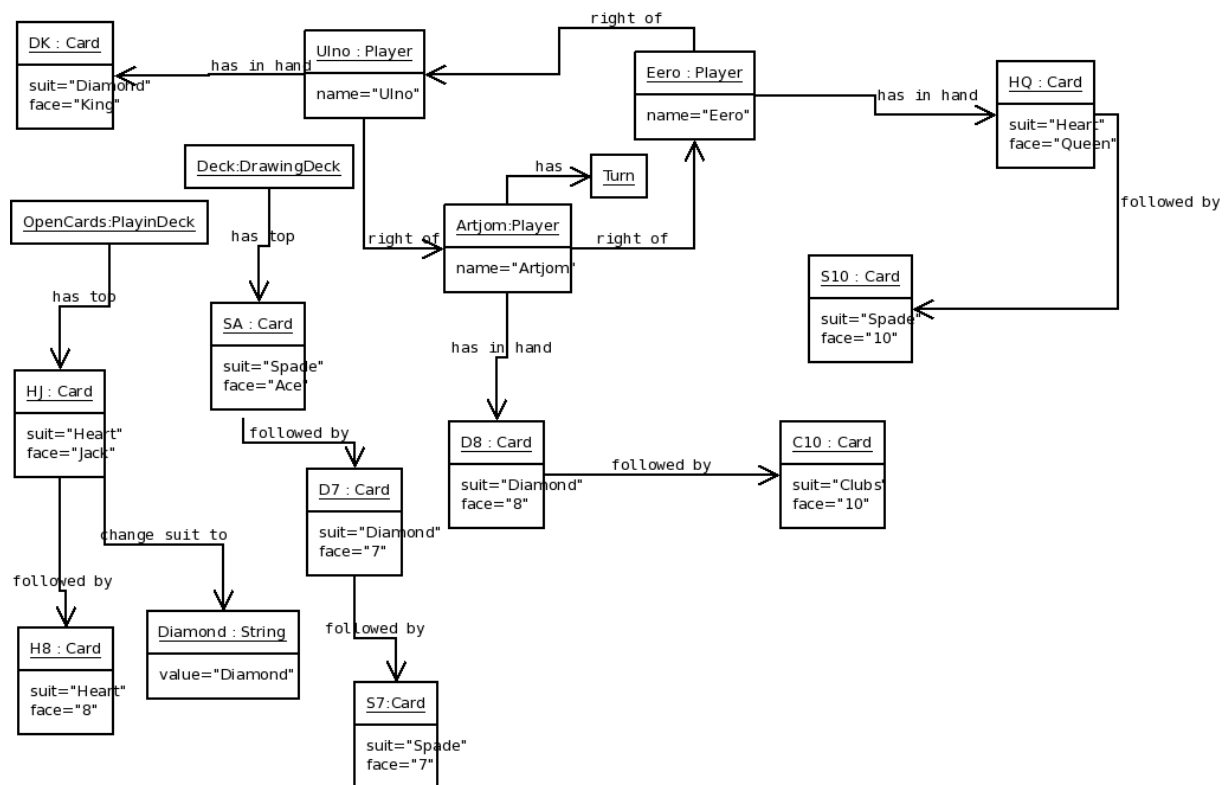


Post-condition



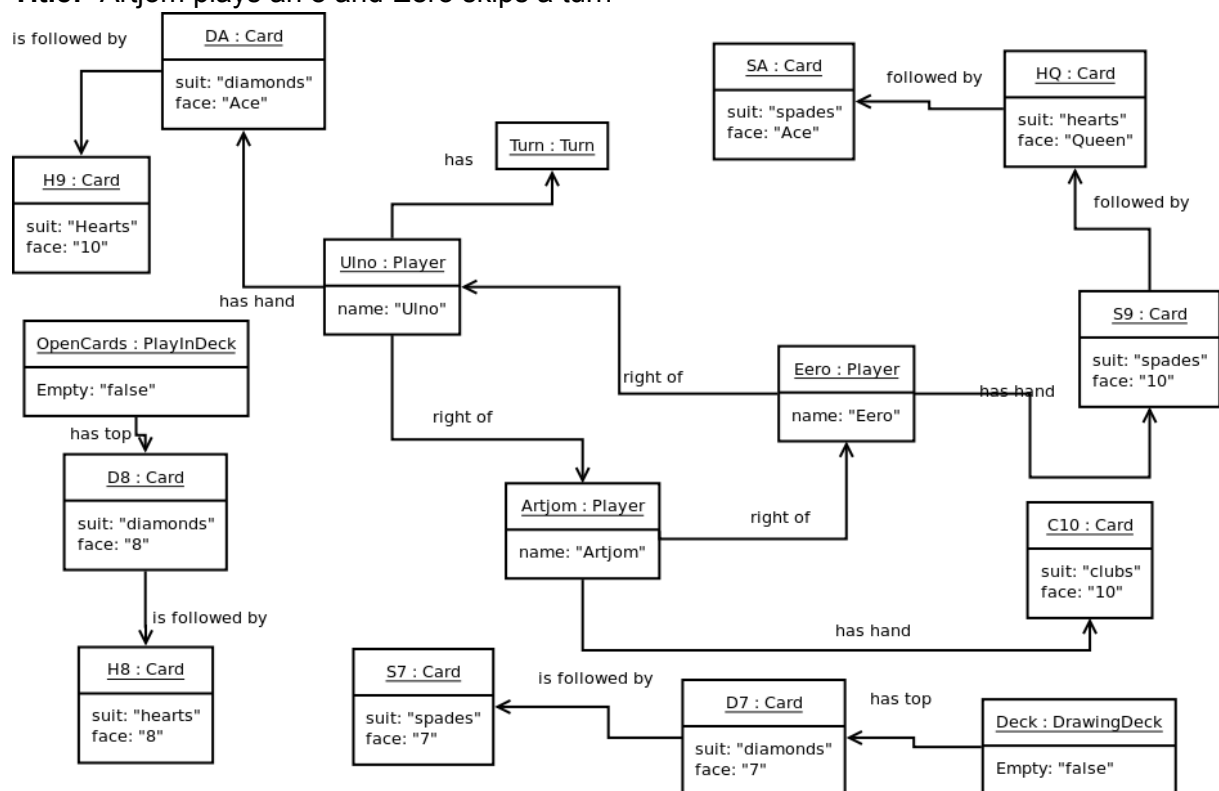
User story #1 post-condition

Title: "Ulno plays Jack and choses suit" post-condition



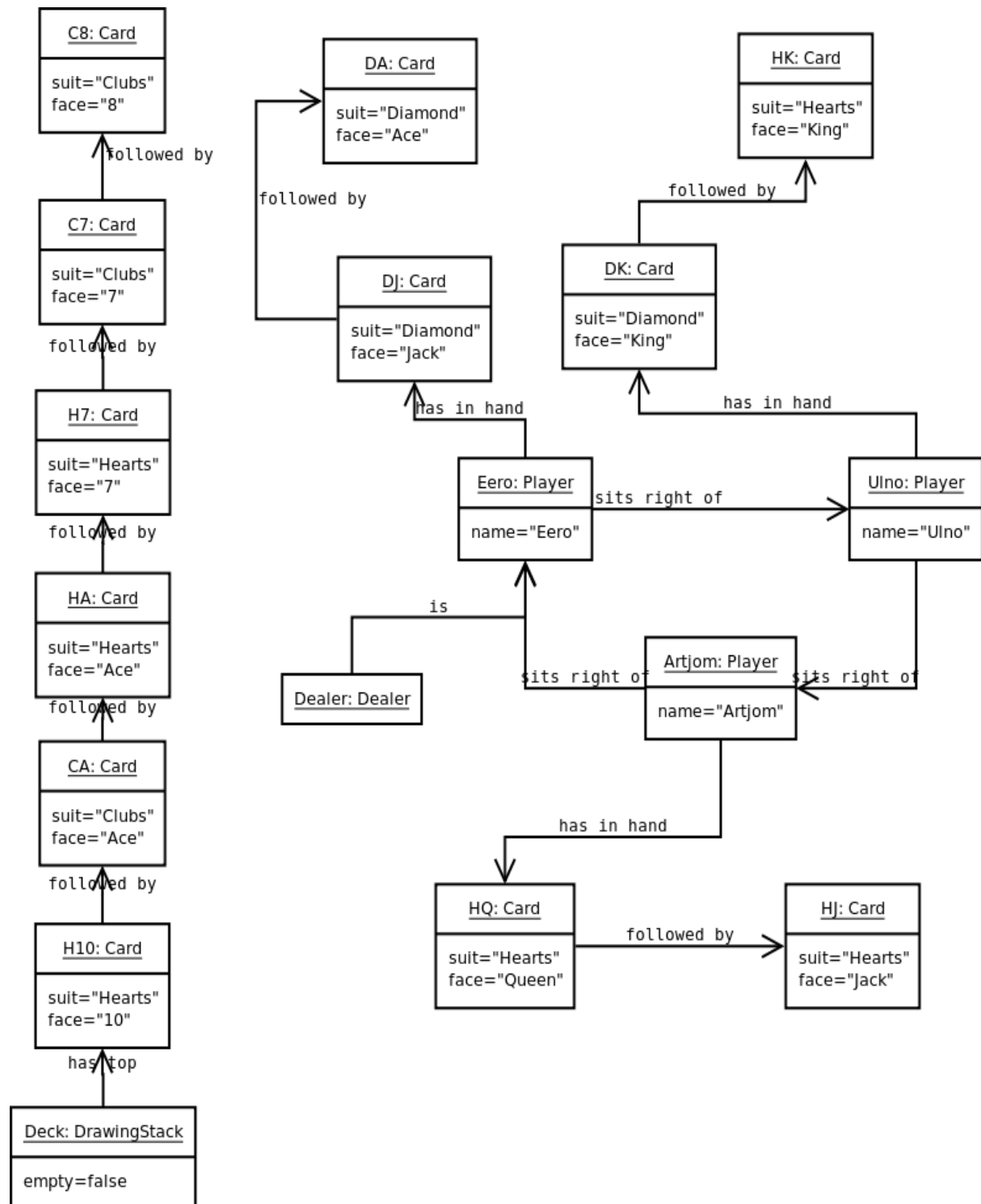
User story #2 post-condition

Title: "Artjom plays an 8 and Eero skips a turn"



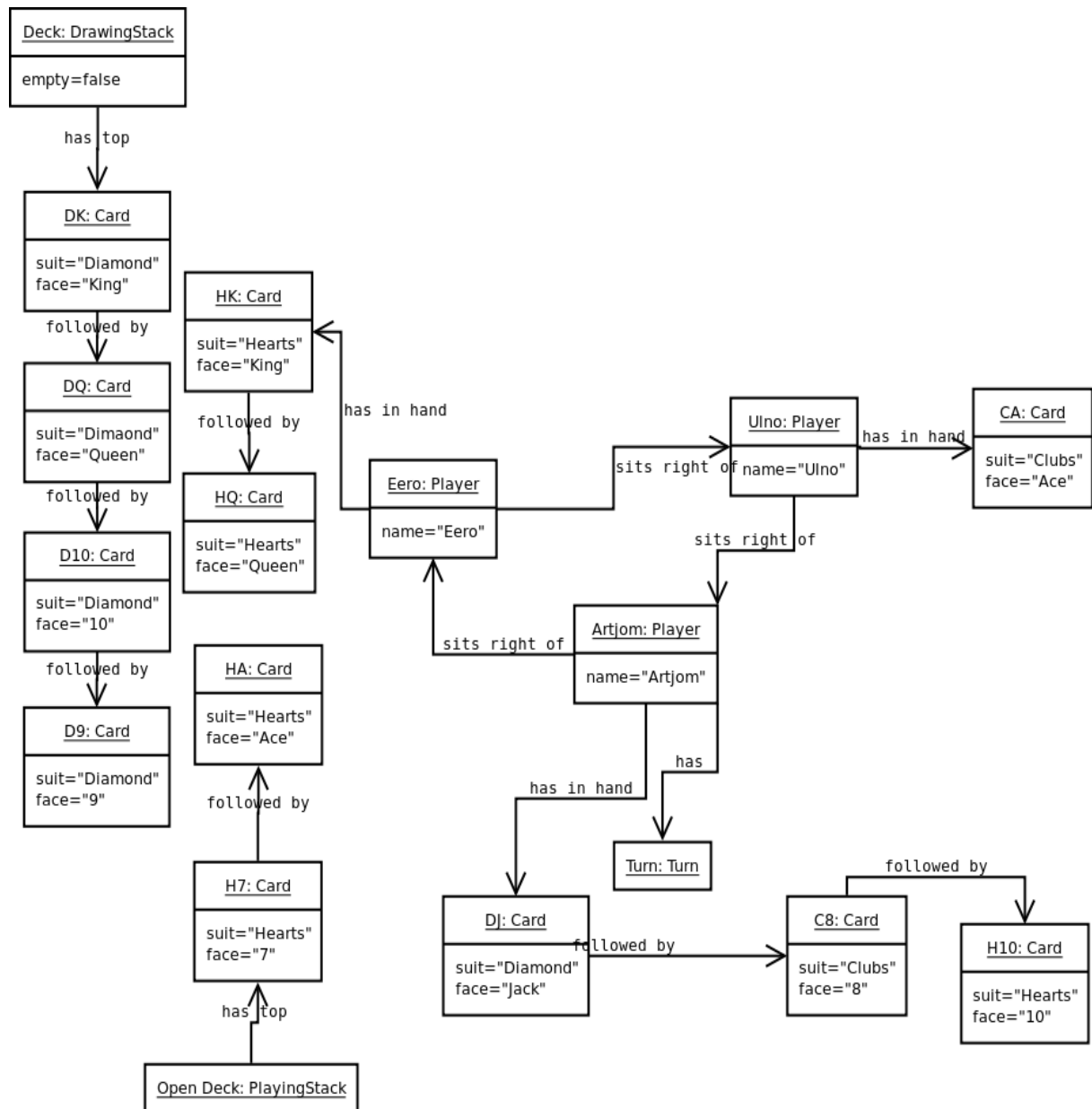
User story #3 post-condition

Title: "Eero deals one round of two cards each for Eero, Ulno, and Artjom"

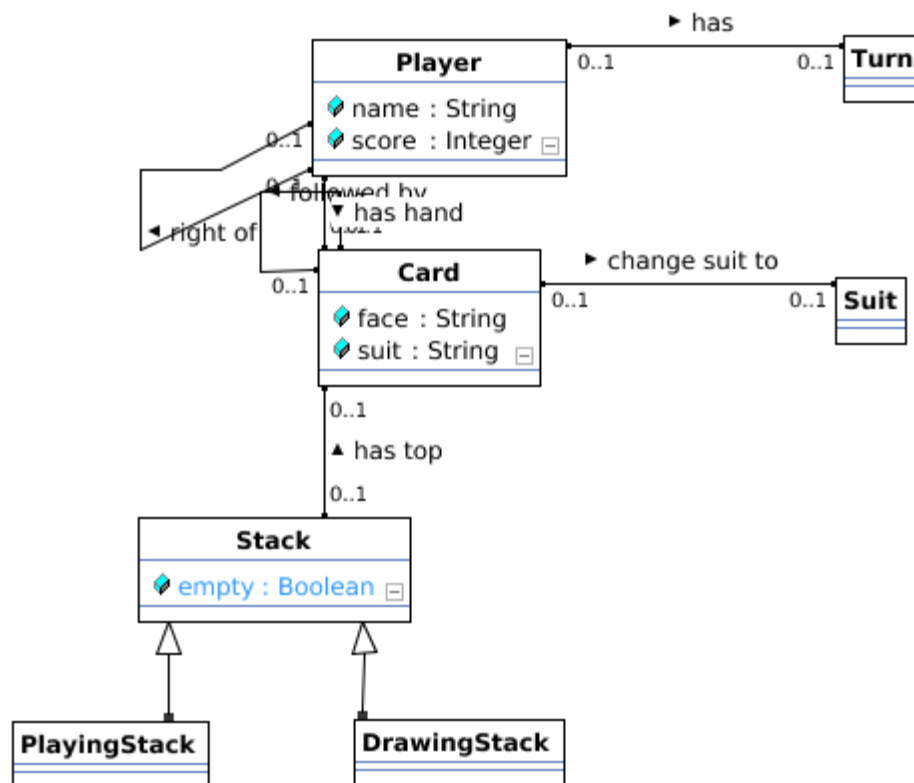


User story #4 post-condition

Title: "Ulno plays a seven forcing Artjom to draw two cards"



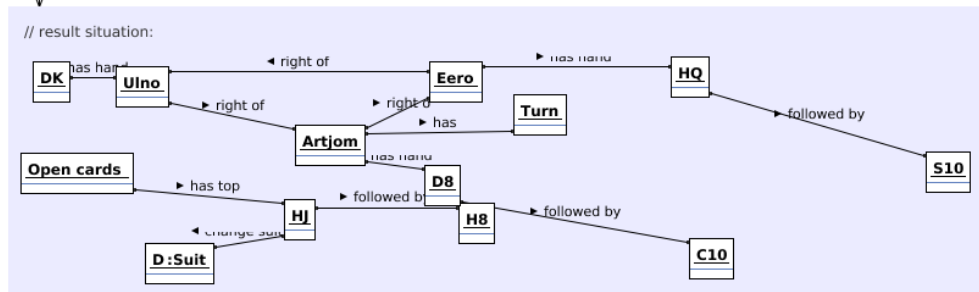
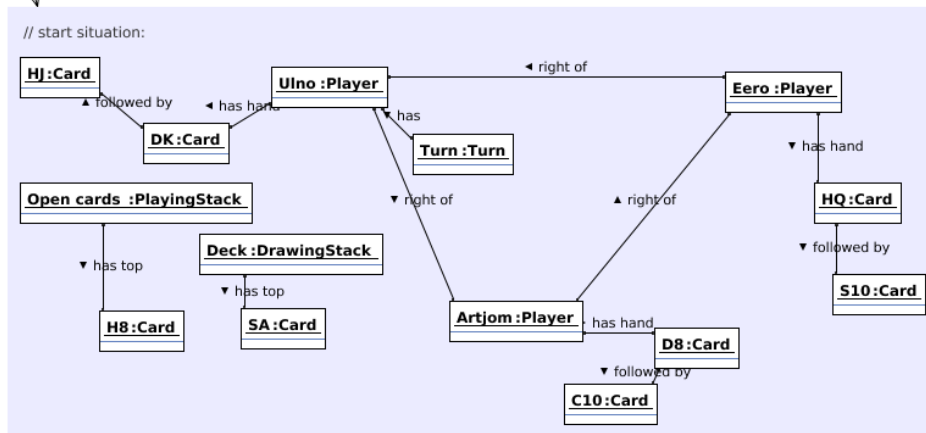
Class diagram in Fujaba



TODO! simple test cases in story boards – one for each user story (story boards next lecture)

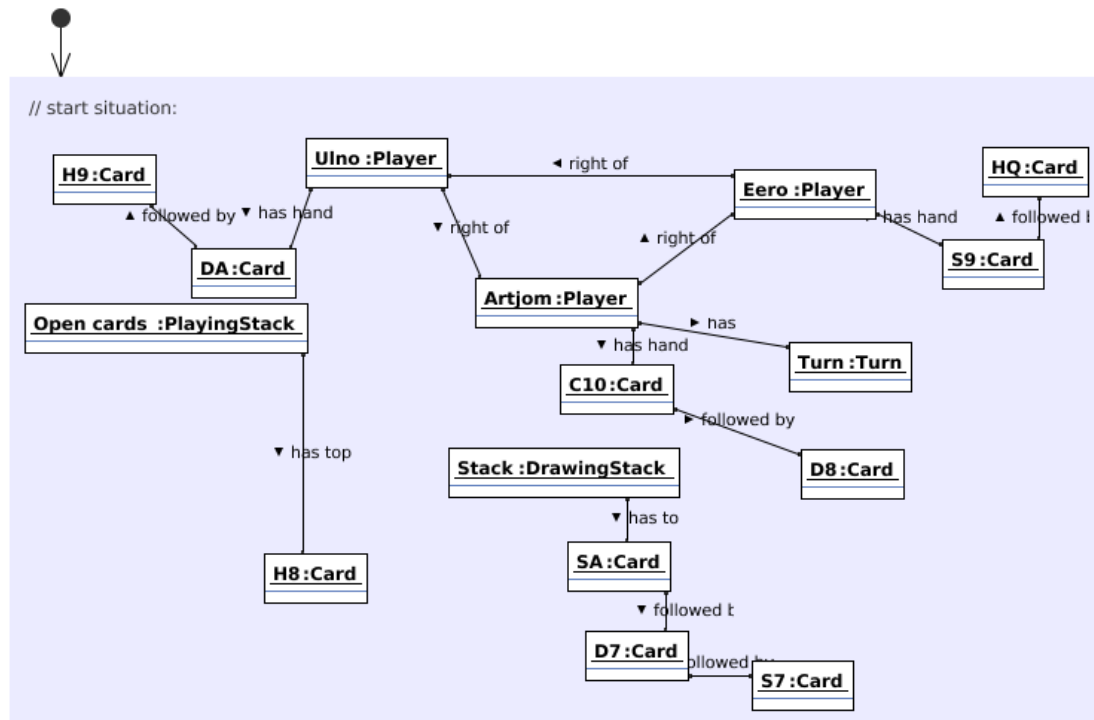
Scenario #1 (“Ulno plays Jack and choses suit”)

Scenario

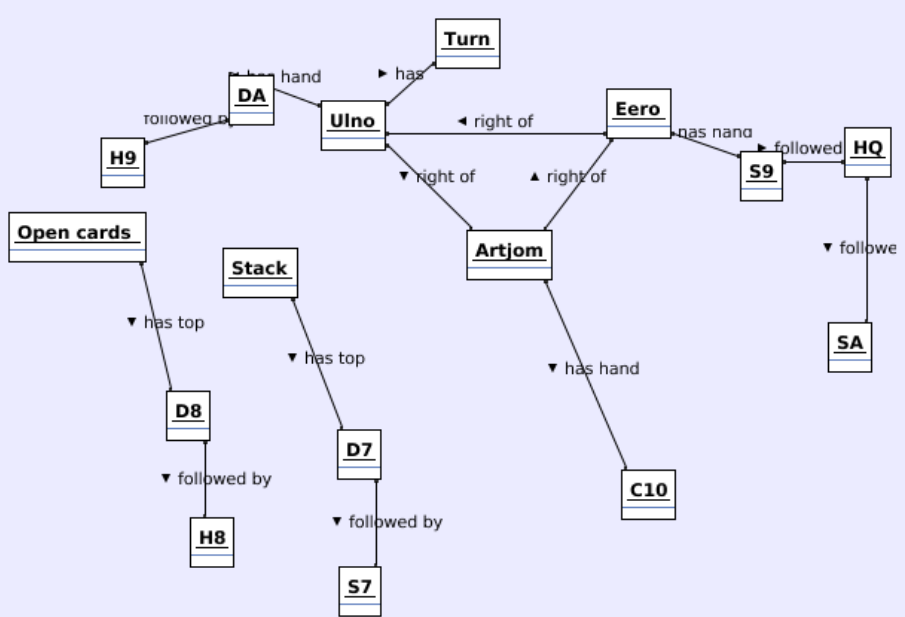


Scenario #2 ("Artjom plays an 8 and Eero skips a turn")

Scenario 1

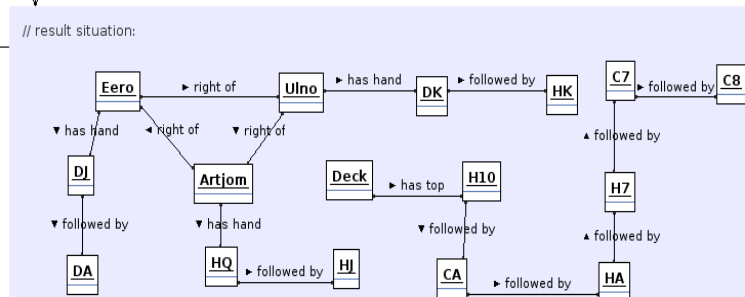
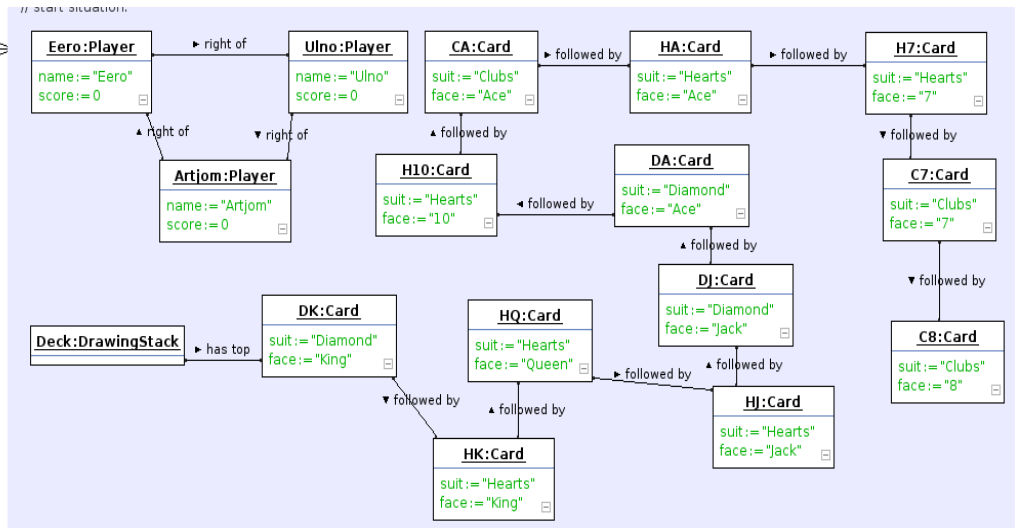


// result situation:



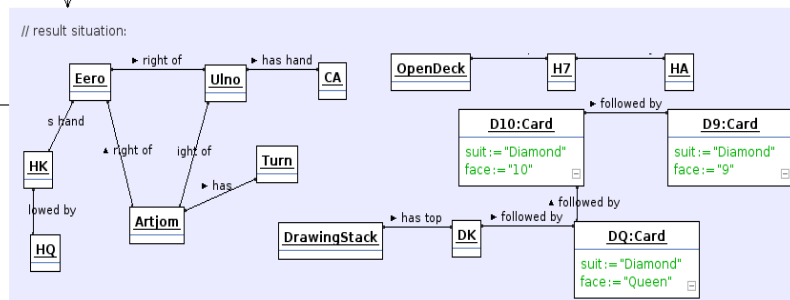
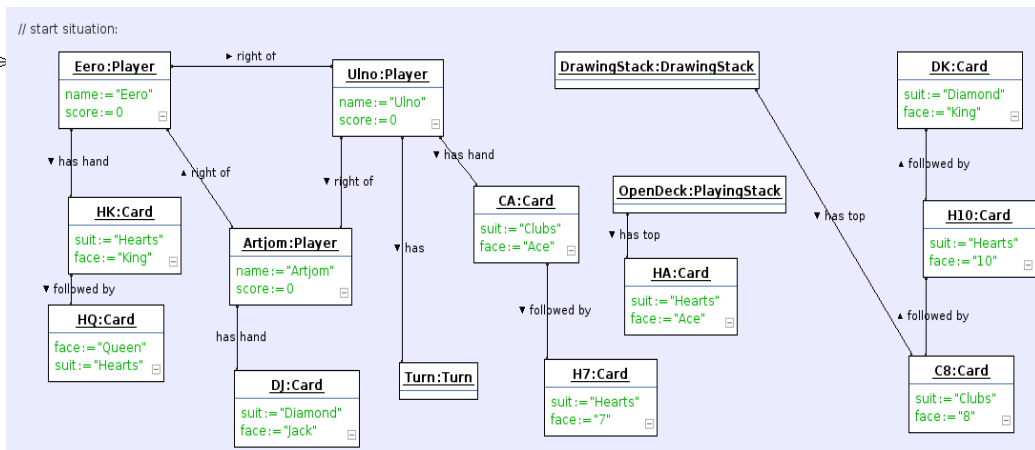
Scenario #3

Scenario 3

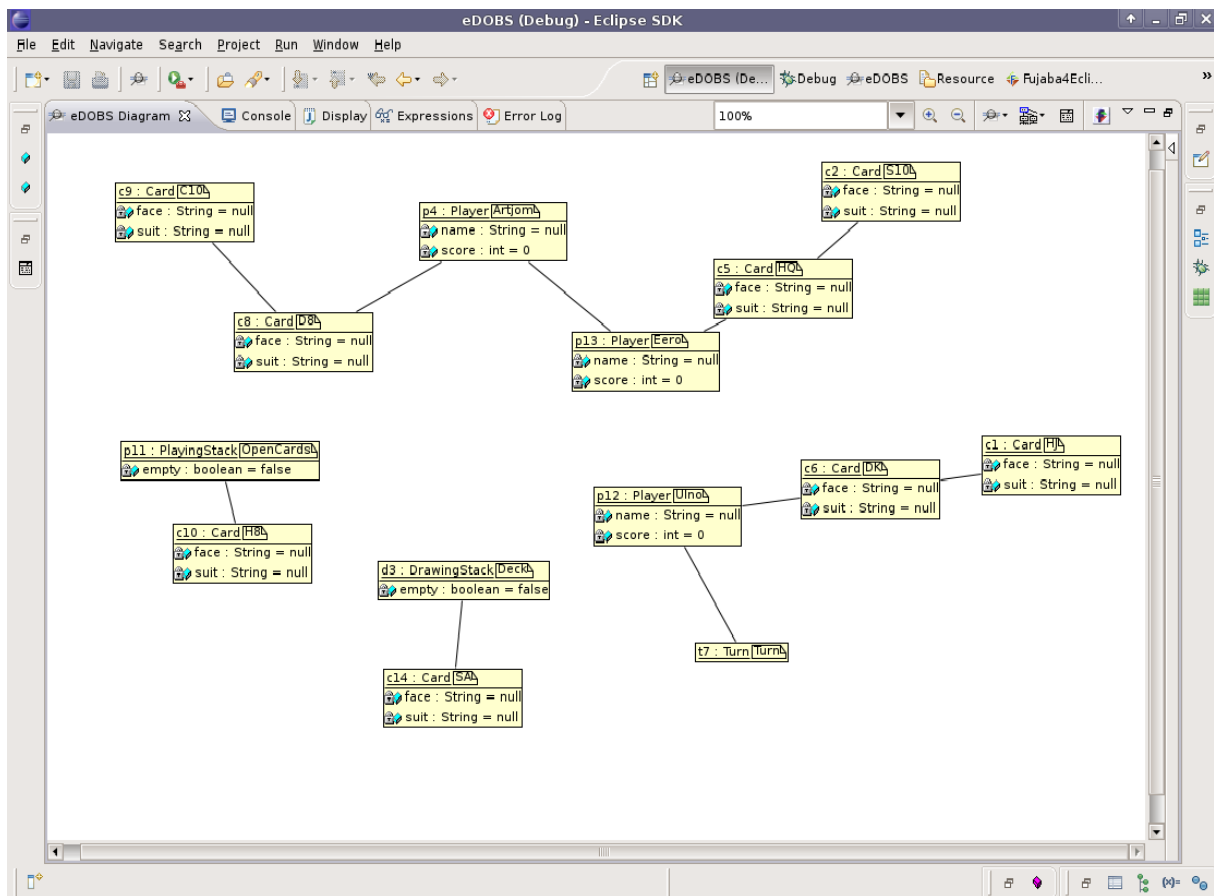


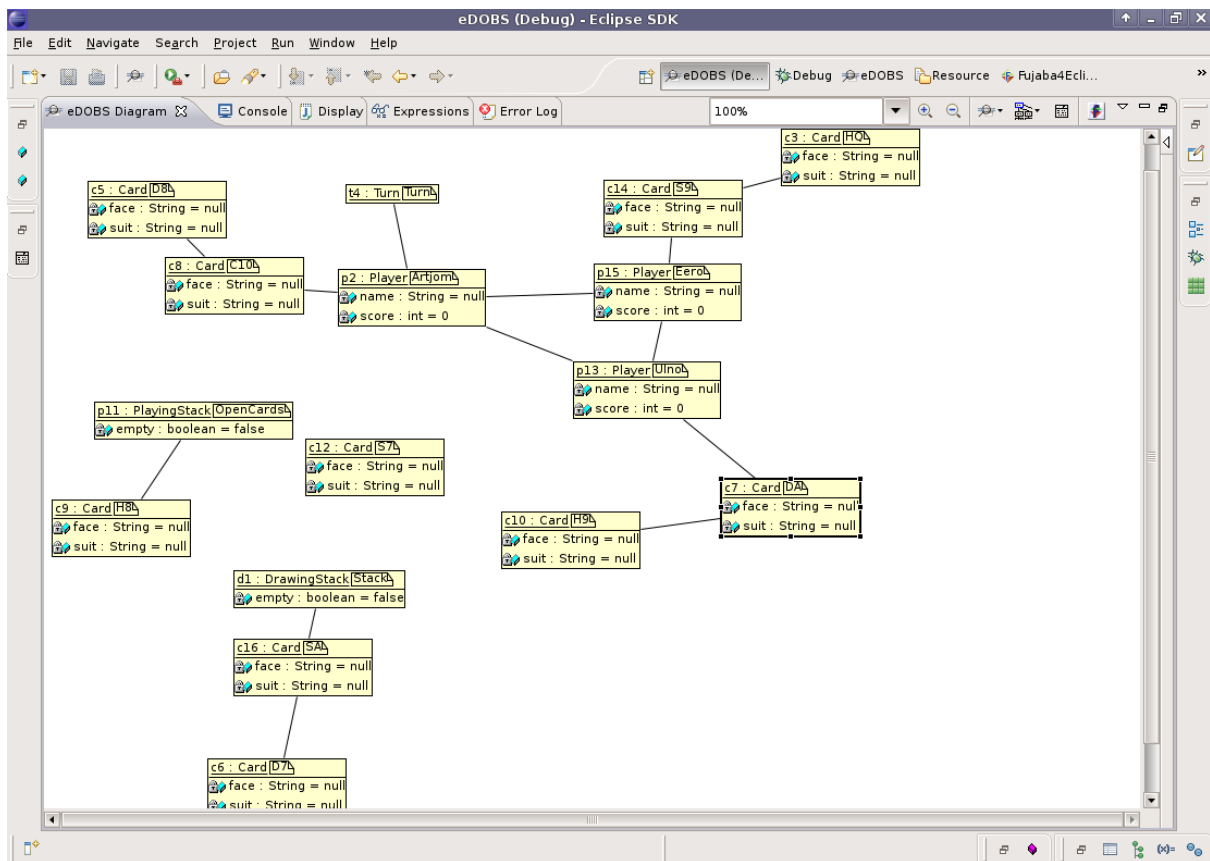
Scenario #4

Scenario 2



Bonus: eDOBS screenshots





Git repository

[git://github.com/Rehr/SysModHomework](https://github.com/Rehr/SysModHomework)