

CRC Modeling Exercise

1. Create a group of 4 and look over the ATM (automated teller machine) system user stories
2. Your goal is to create a set CRC (class responsibility collaborator) cards that can be used to help create a UML class model of the system
3. Hint: look for the nouns in the user stories may be candidate objects, verbs may be candidate methods.
4. Determine what each class needs to do and what information does it need o retain and write it on the card
5. Determine which classes must collaborate with each card and which new classes need to be defined
6. How many new classes did you need to define?
7. When your group is satisfied with their card set - shuffle the cards and deal them out evenly to three of your team mates.
8. The dealer will need to serve as the reader.
9. Use a pen as the token the will be passed among the remaining reviewers
10. Take one of the ATM use case scenarios from the ATM use cases (for example Withdraw Cash) and review your CRC model (you may need to change the names of the classes listed in the use case to match yours).
11. When reader mentions a named class the token is passed to the reviewer holding that card
12. The reviewer receiving the token then reads the responsibilities on his or her card
13. The group decides whether one of the card responsibilities matches the use case requirement or not
14. The reviewer may pass the token to another reviewer holding a collaborating card
15. Modify the card deck to accommodate the use case requirements if the responsibilities and collaborations need to be made and start again
16. Did your group make it to the end of the use case using your original card deck?