Task 1 (2 points). There is a list of functional requirements for a distributed tic-tack-toe game. Translate them to a list of user-stories.

As a User I want to be able to play from different computers so that I can play with any player I want.

As a User I want to be able challenge opponents (only one opponent at a time) and be able to accept or decline other users' challenges.

As a User after accepting the challenge I want to be able to play standard tic-tac-toe game but only play one match at a time.

As a User I want to be able to leave an ongoing match so I will be automatically identified as a defeated and match will be identified as ended.

As a User after every match (either a win or a draw or a defeat) I want to be automatically adjusted in a rank system accordingly to the match status.

As a User I should be able to see my rank and other players' rank in the ranking system.

As a User I should be able to register with unique identifiers.

As a User I want to be able to set my status as "available", "engaged" or "invisible" so other users could see it and know if they can challenge me at the current moment.

Task 2a (4 points)

Draw a decision table (in limited and extended format) for calculating the package price (Polish post office) depending on the package type (standard / non-standard), sizes and weights. Include additional services, e.g., carefully

Conditions	1	2	3	4	5	6	7	8
Standard	X	X	X	X				
Non-standard					X	X	X	X
Small Size	X	X			X	X		
Medium Size			X	X			X	X
Def-priority	X		X		X		X	
High-priority		X		X		X		X
Actions								
3.30	X							
4.00			X					
5.30		X						
6.00				X				
8.20					X			
9.50						X		
11.50							X	
13								X

Extended

Conditions	1	2	3	4	5	6	7	8
Type	Standard	Standard	Standard	Standard	Non-standard	Non-standard	Non-standard	Non-standard
Size	Small	Small	Medium	Medium	Small	Small	Medium	Medium
Priority	Default	High	Default	High	Default	High	Default	High
Price	3.30	5.30	4.00	6.00	8.20	9.50	11.50	13

Task 3b Define a set of user stories with acceptance criteria for a simple calculator (4 basic operations: *, /, -, +) with a memory

As a User I want to be able to input a value (only digits) into a calculator using GUI or a keyboard input so that I can manipulate with this number in future

As a User after inputting the number I want to be able to enter 1 out of 4 operations such as +,-,*,/

As a User I want to be able to input the next value, so that I can get a result of the operation.

As a User I shouldn't have a permission to divide by zero. In case if I want to, I should get some error message.

As a User I want to store the result in a calculator's memory so that after the calculation I can input next operator and next value which should be calculated with a previously computed value

As a User if I type some incorrect value, I want to be able to clean it so that I shouldn't redone all required calculations.

As a User, I want to be able to clean up the calculator's memory so that I can start new calculations.

As a User, I want to be able to see history of calculations.

As a User, I want to be able to clean history of calculations.