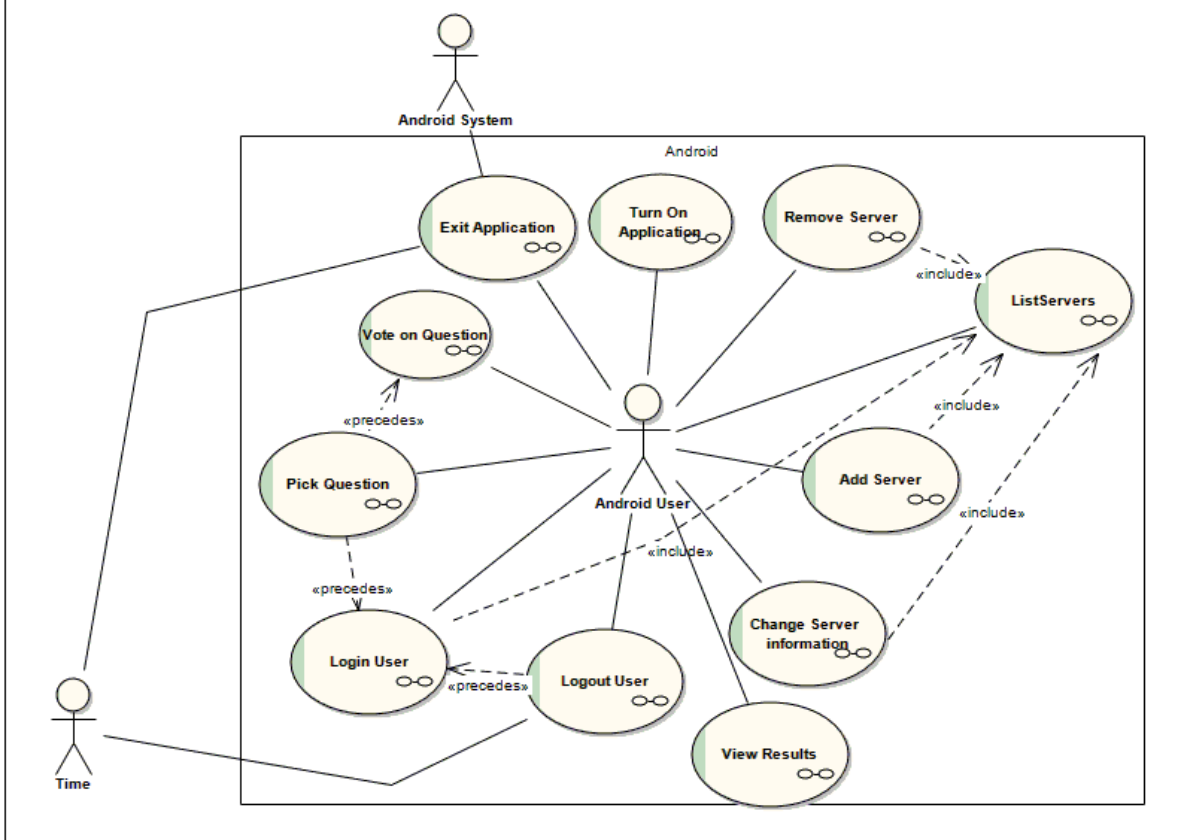
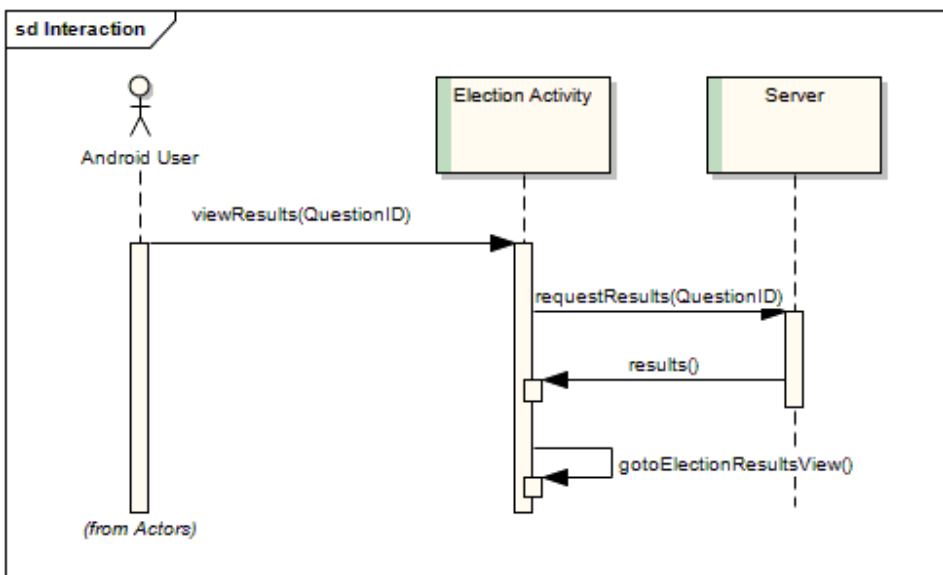
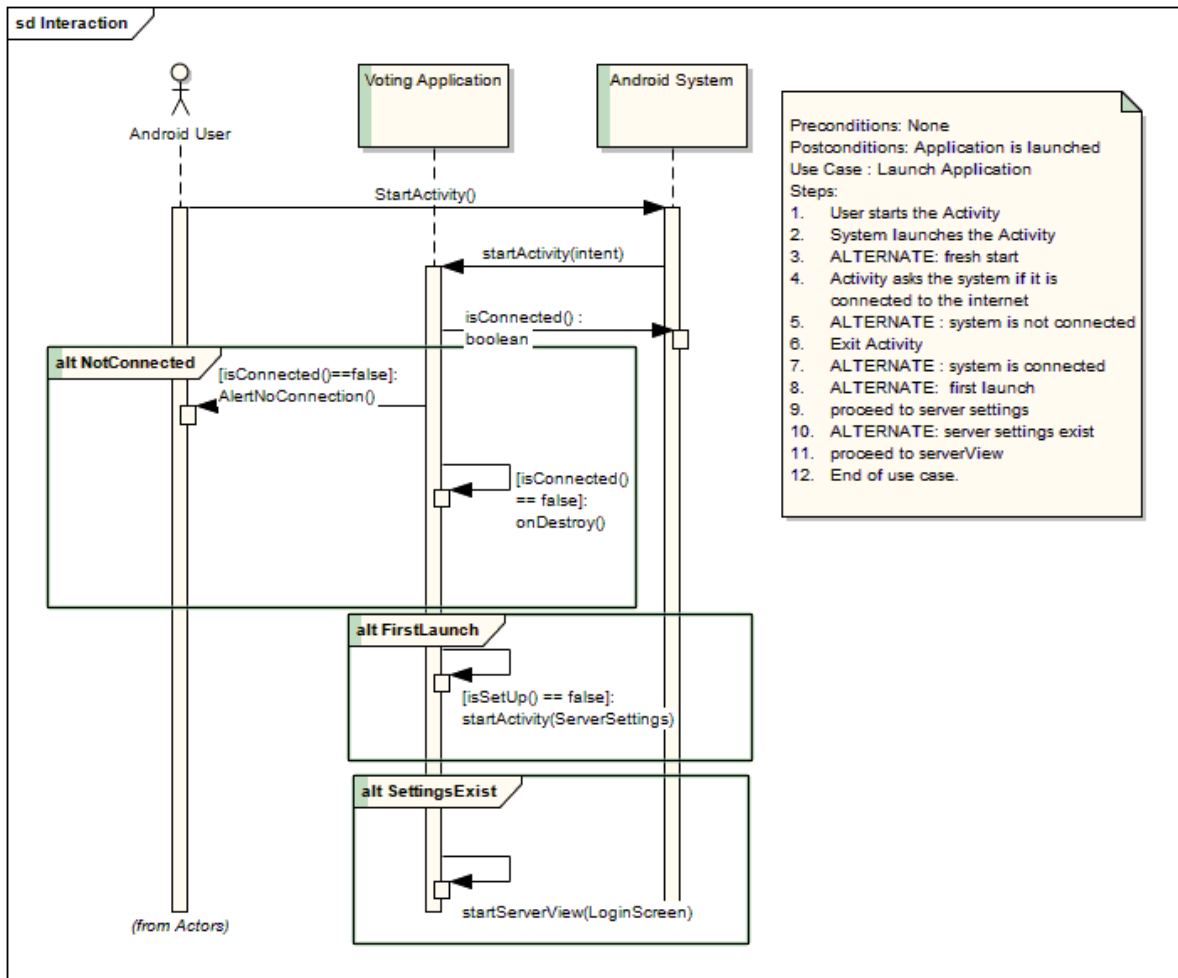


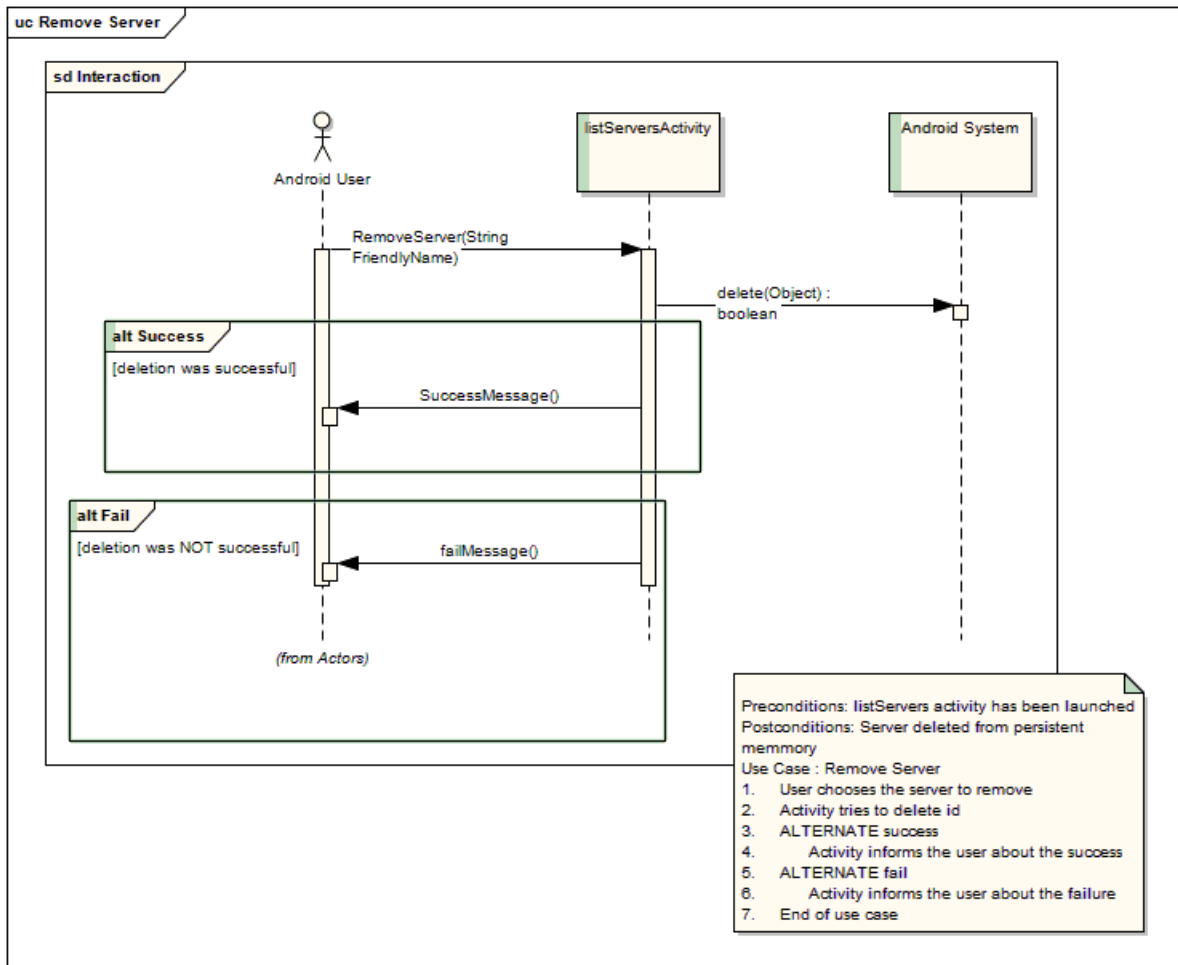
uc Primary Use Cases





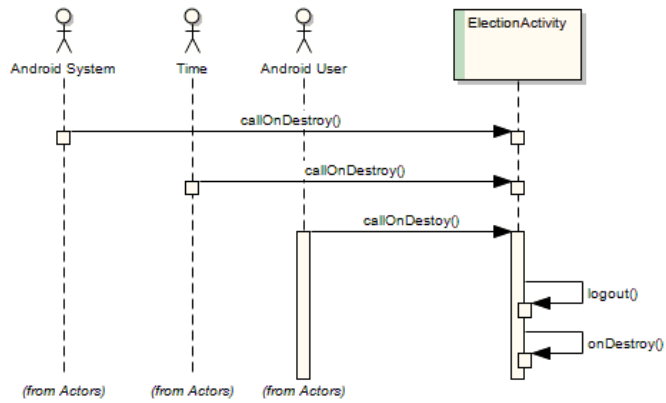


sd Interaction

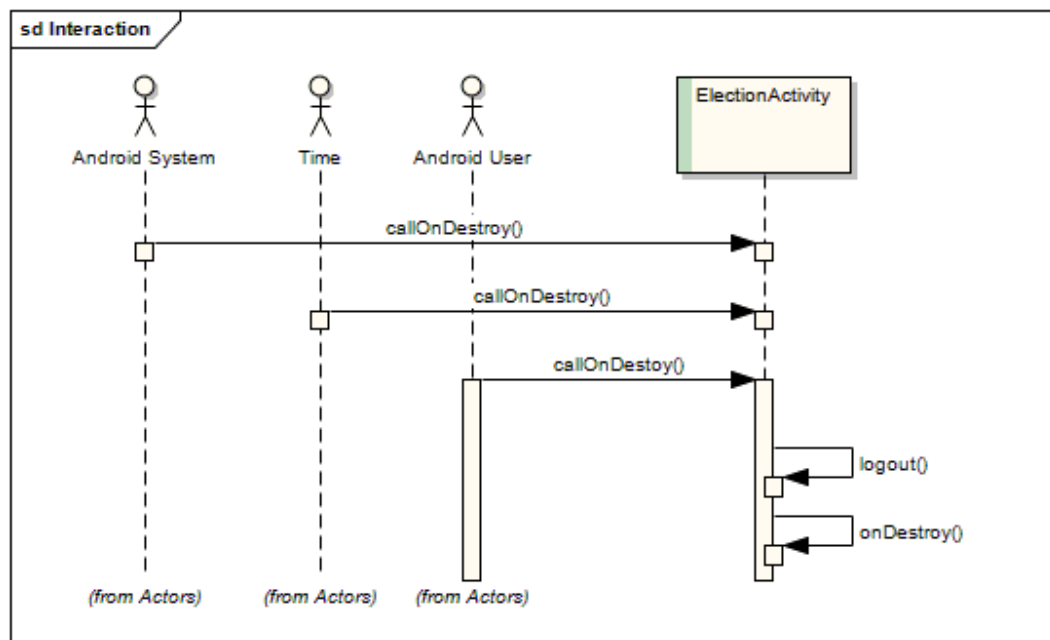


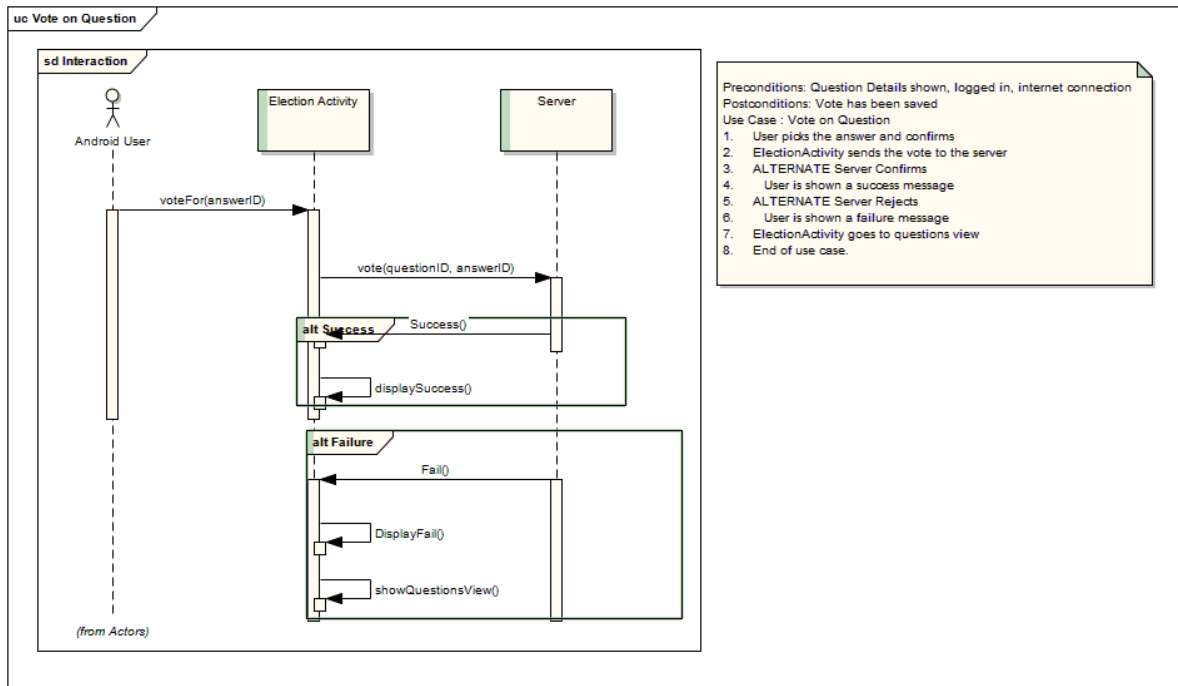
uc Exit Application

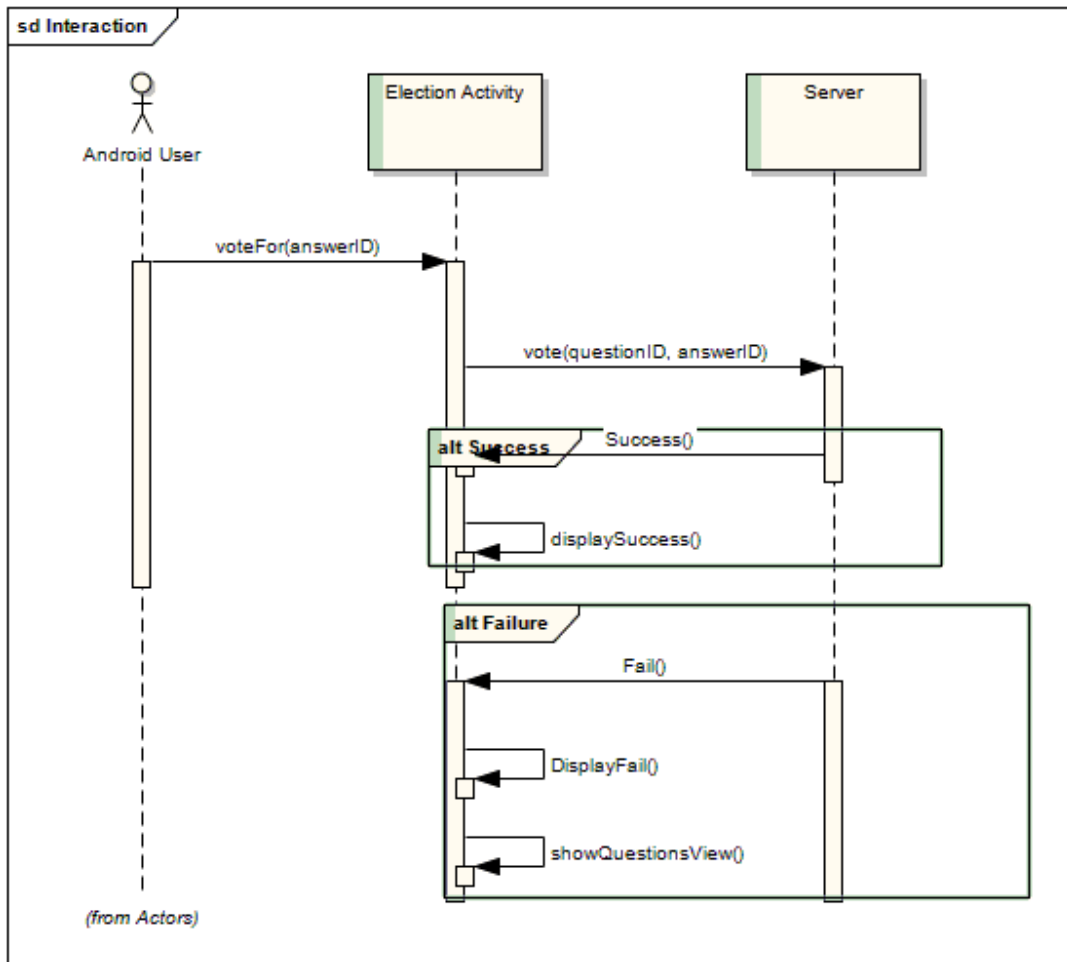
sd Interaction

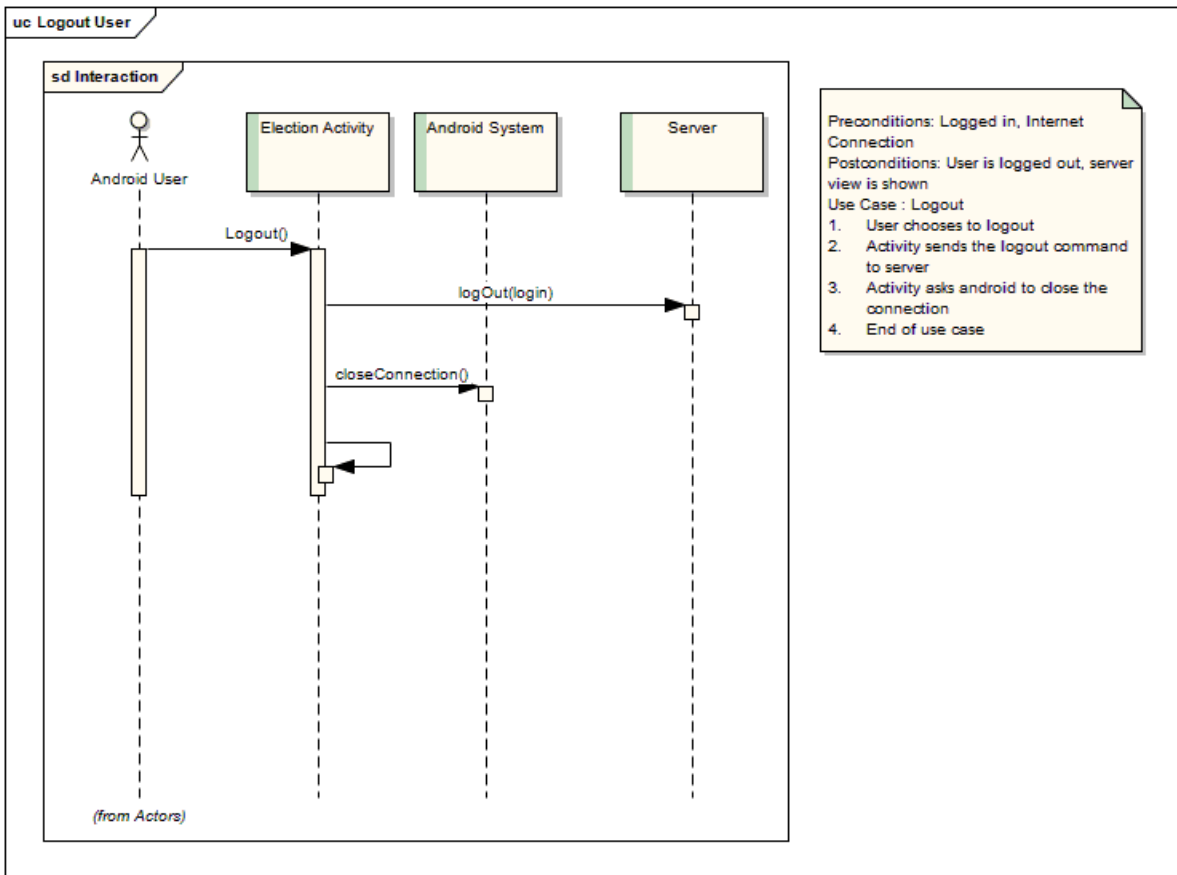


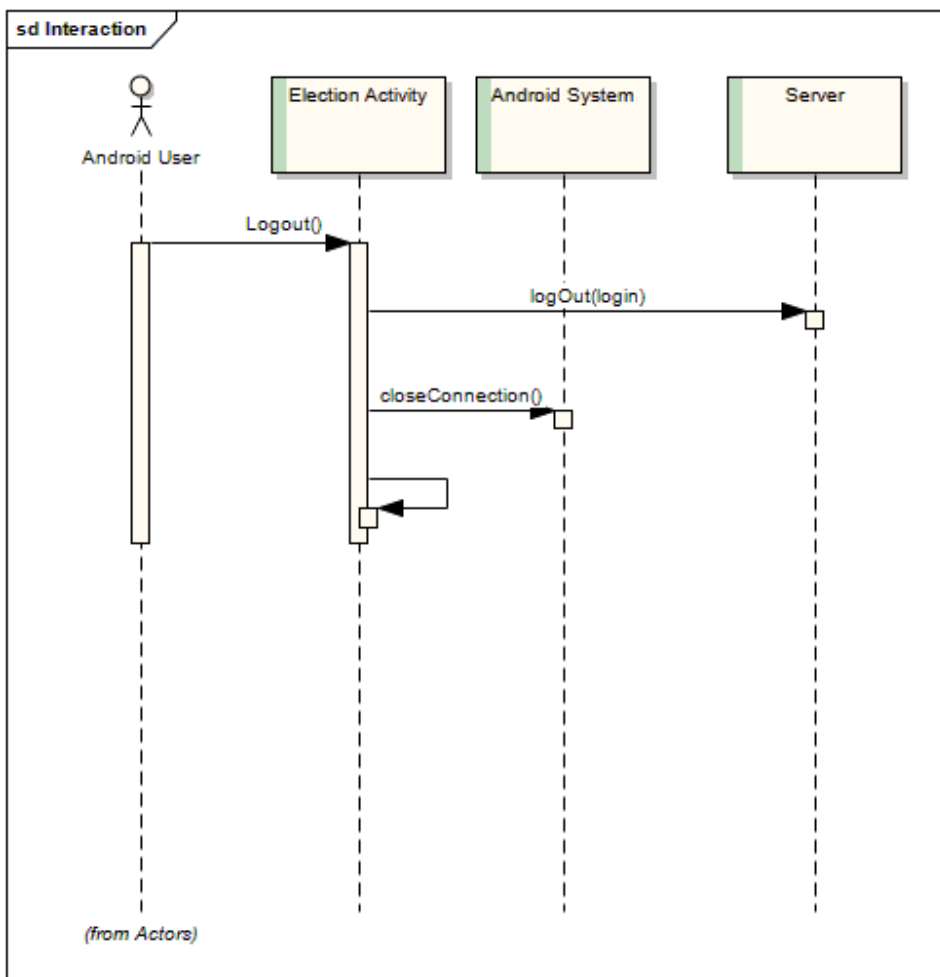
- Preconditions: Activity is started
Postconditions: User homescreen is shown
Use Case : Exit Application
1. Android OR Time or User chooses to quit
 2. ALTERNATE user logged in
 3. Activity logs out
 4. Activity quits
 5. End of use case





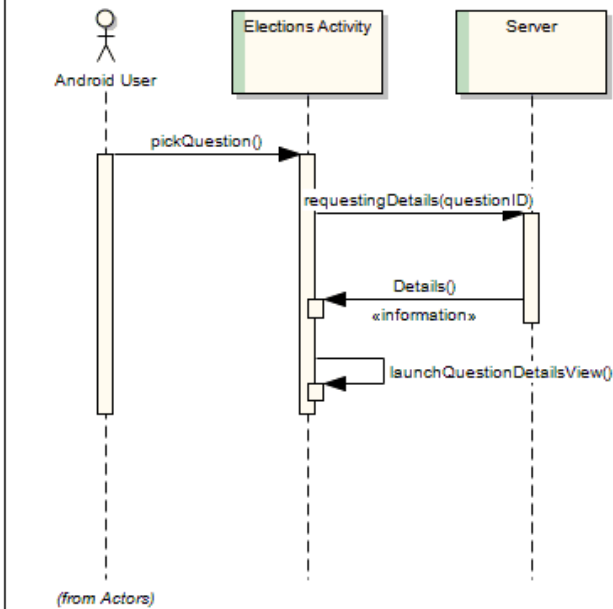






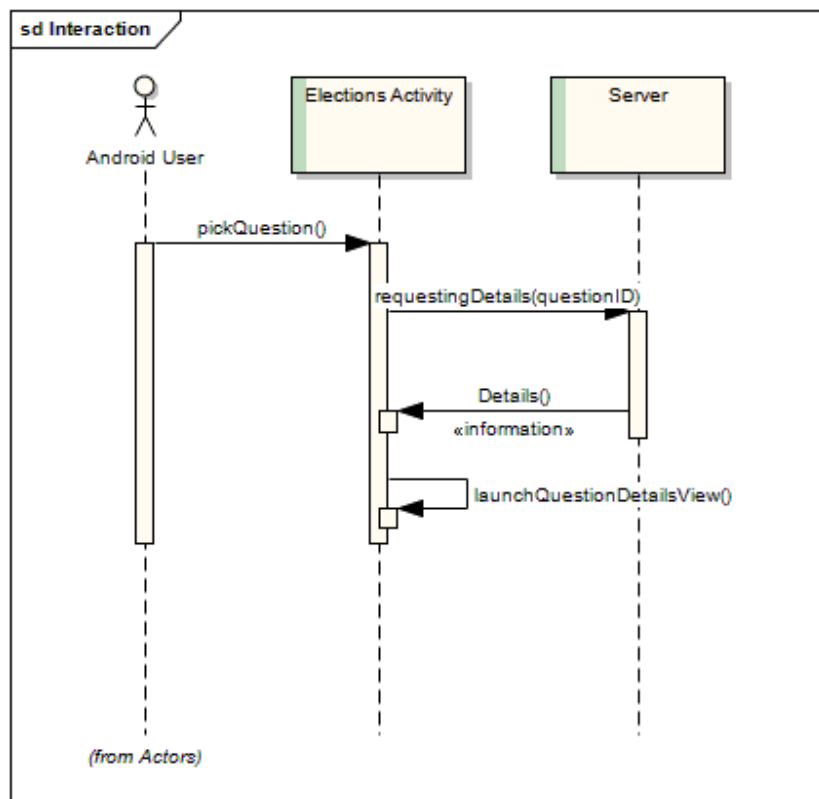
uc Pick Question

sd Interaction

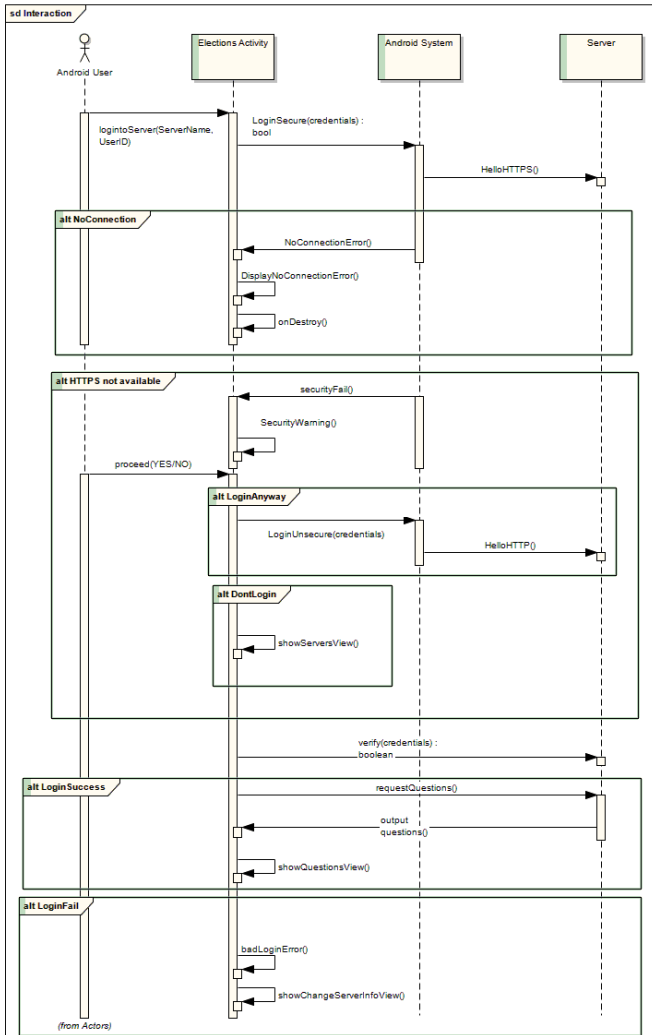


Preconditions: User Logged in, internet connectivity, questions exist
 Postconditions: Question Details are shown
 Use Case : Pick Question

1. User chooses question to answer
2. Activity asks the server for information on the question
3. Server responds with information
4. Activity displays information and answer choices
5. End of use case.

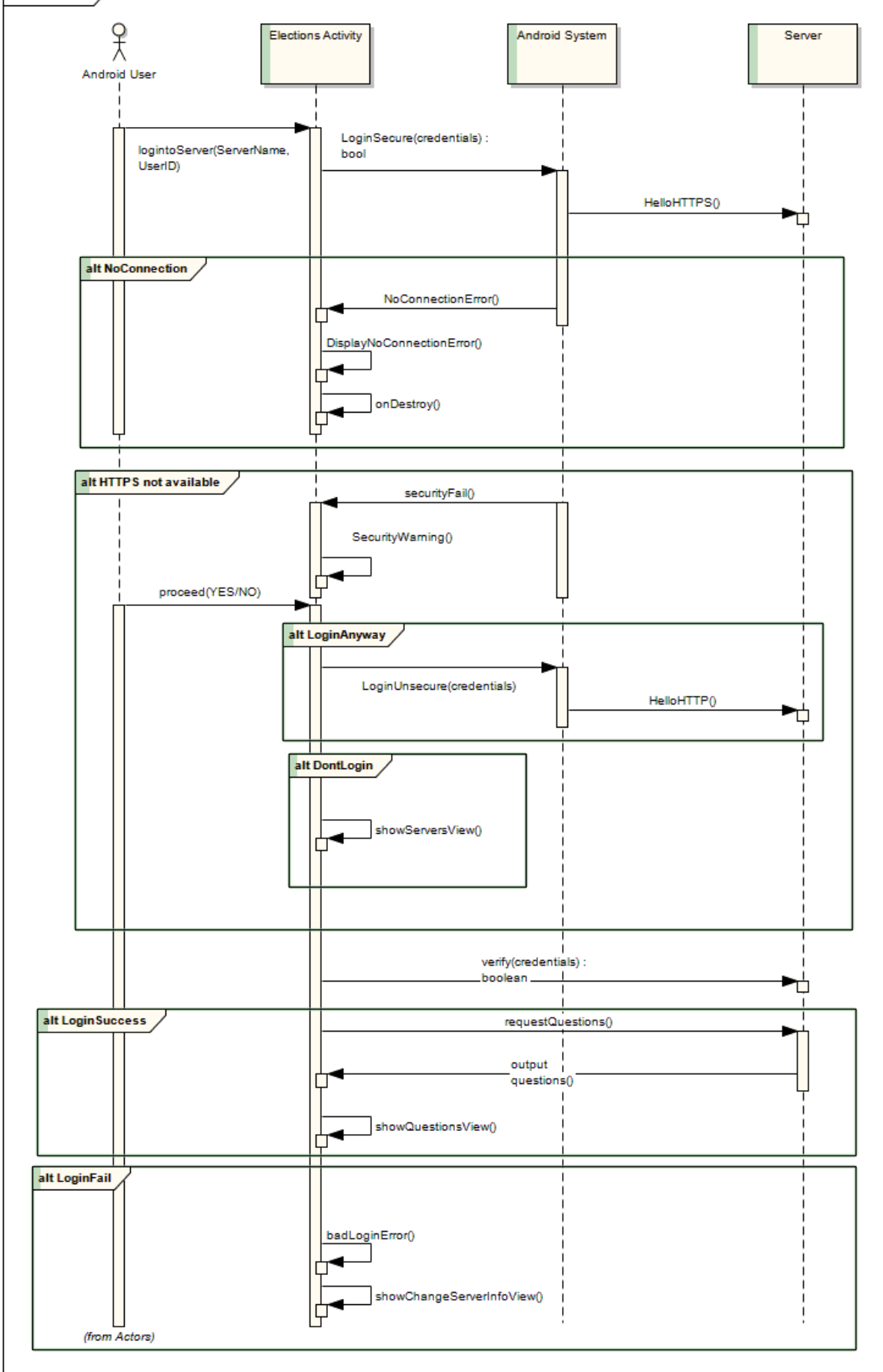


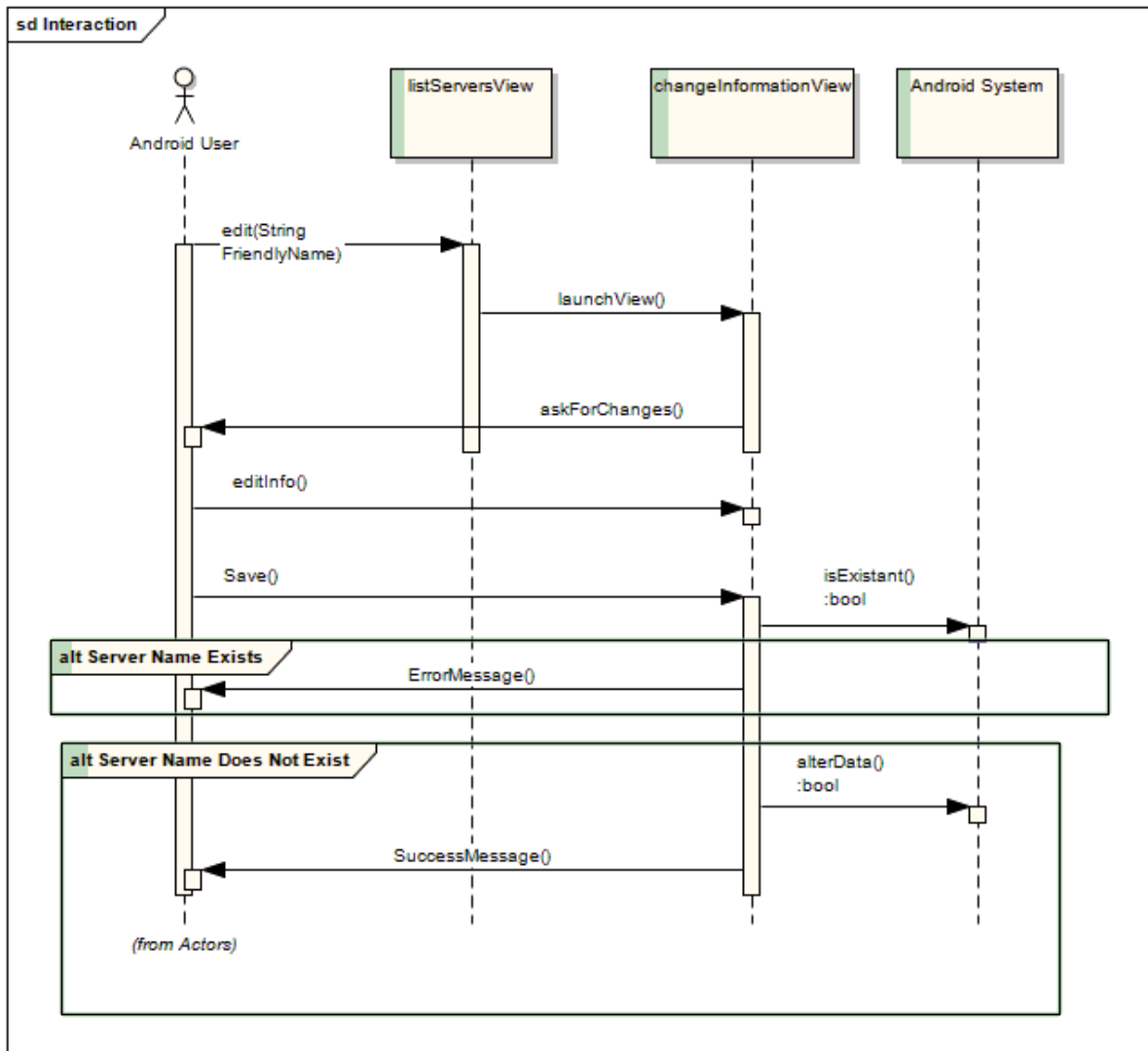
uc Login User

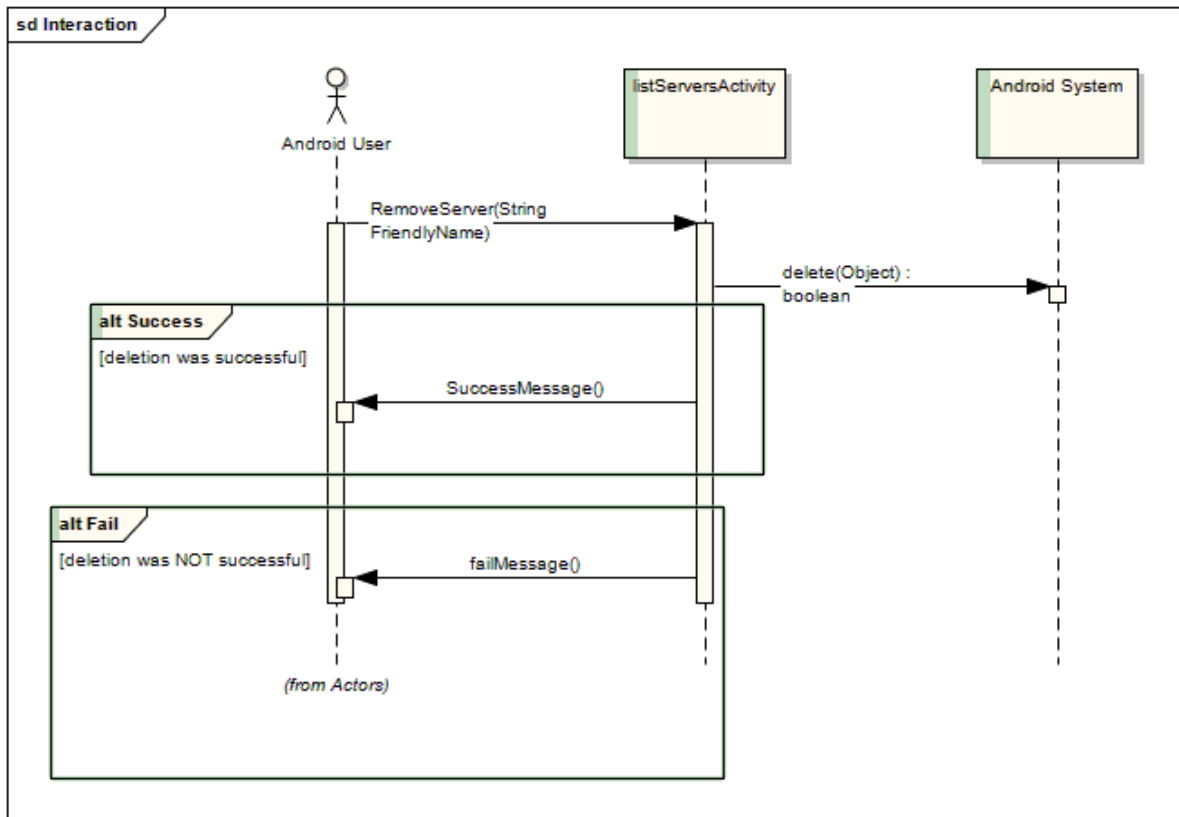


- Preconditions: Internet connectivity, user has a valid login, server is up and running
 Postconditions: User is logged in and questions are on screen
 Use Case : Login User
1. User pick a server to log in in the server view and picks the one of the stored usernames
 2. Activity tells the system to create a TCP - SSL connection to the server
 3. ALTERNATE SSL not possible
 4. Activity shows a warning and asks the user if he wants to proceed
 5. User tells the activity his answer
 6. ALTERNATE User chooses to proceed
 7. Activity tells the system to create a TCP connection to the server
 8. ALTERNATE User chooses NOT to proceed
 9. Activity stays in server view
 10. End of use case
 11. ALTERNATE No connection to server
 12. Activity shows an error and stays in server view
 13. End of use case
 14. Activity asks the server to verify credentials
 15. ALTERNATE Verification success
 16. Activity asks the server for questions
 17. Activity shows questions to user
 18. End of use case
 19. ALTERNATE Verification fail
 20. Activity outputs an error to the user
 21. Activity switches to alter server info view and asks the user to correct the credentials
 22. End of use case.

sd Interaction

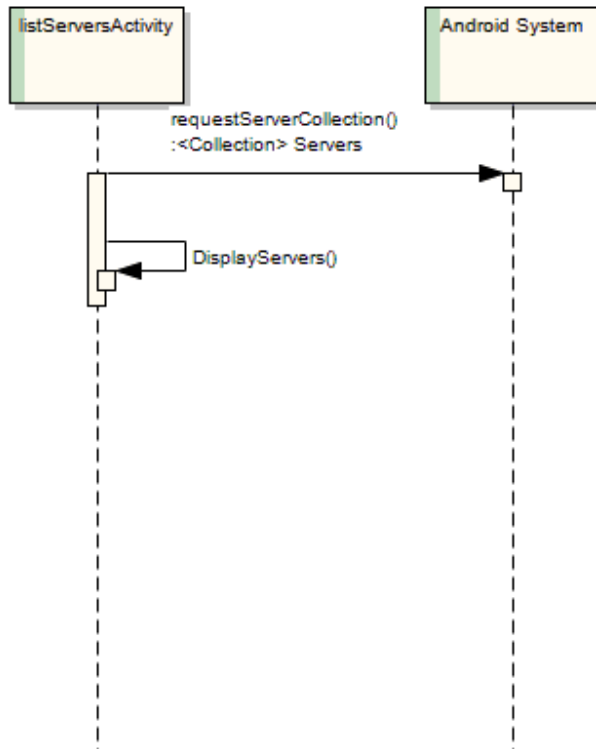




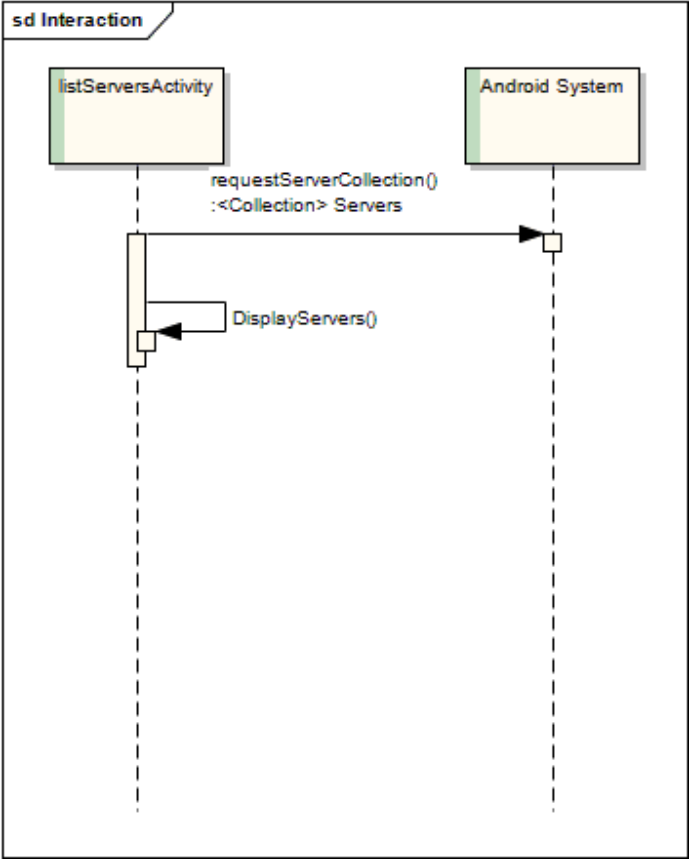


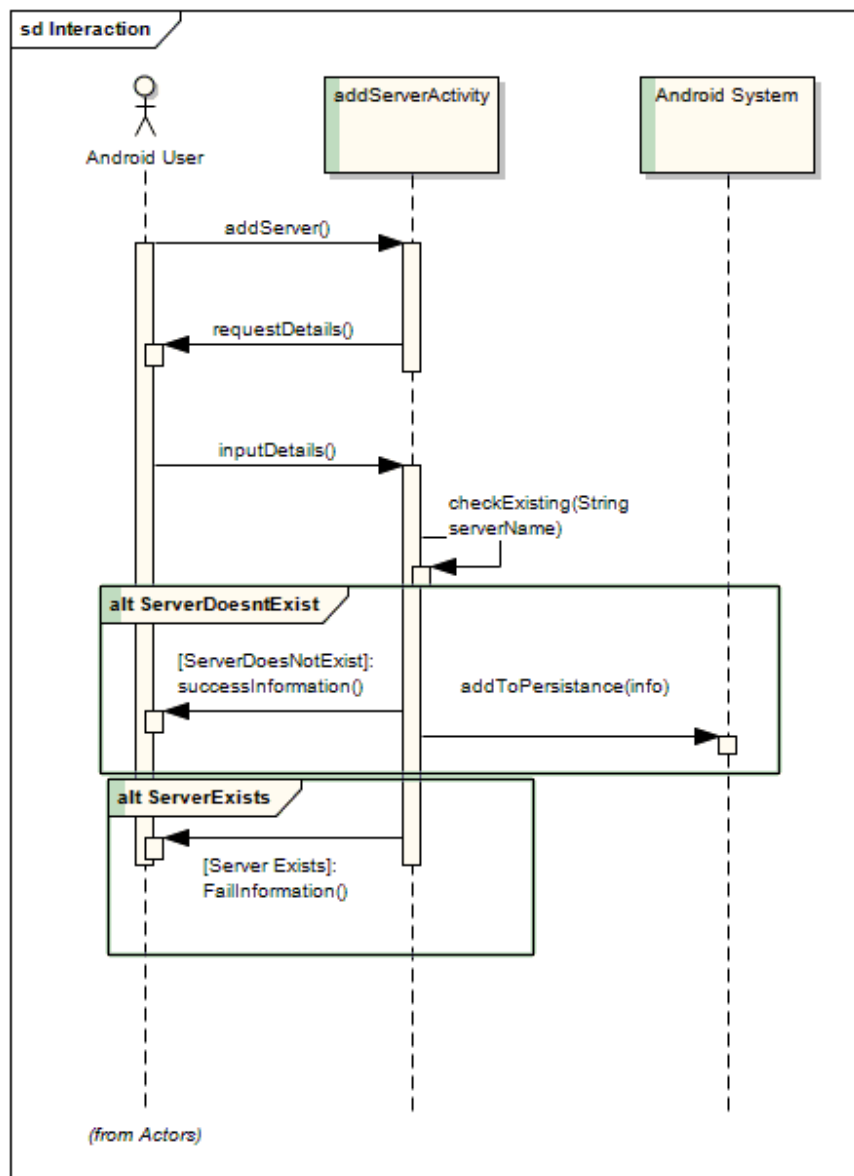
uc ListServers

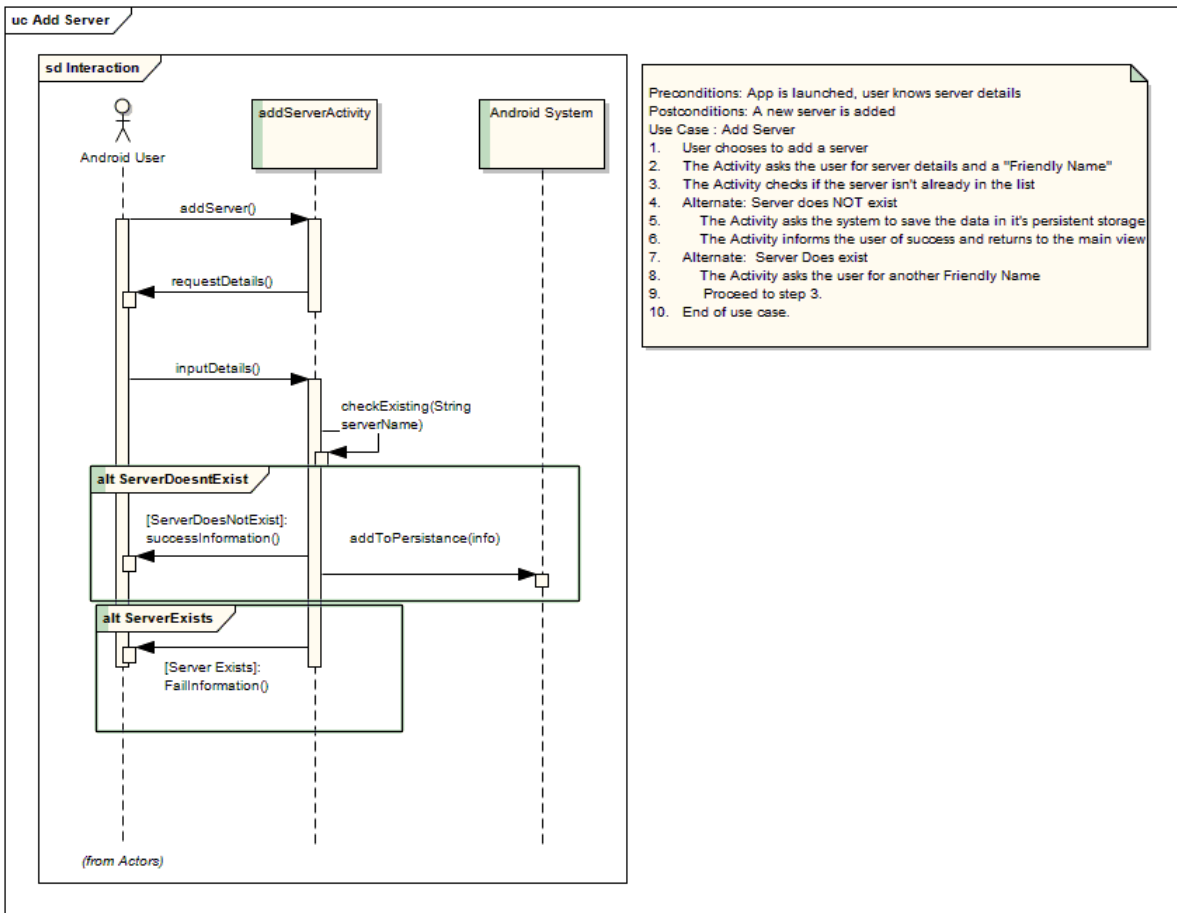
sd Interaction



Preconditions: At Least one server in database
Postconditions: A list of servers is displayed
Use Case : List Servers
1. Users chooses to view servers
2. listServersActivity requests the data from Android Persistent Storage
3. Activity outputs a list of servers on the screen
4. End of use case

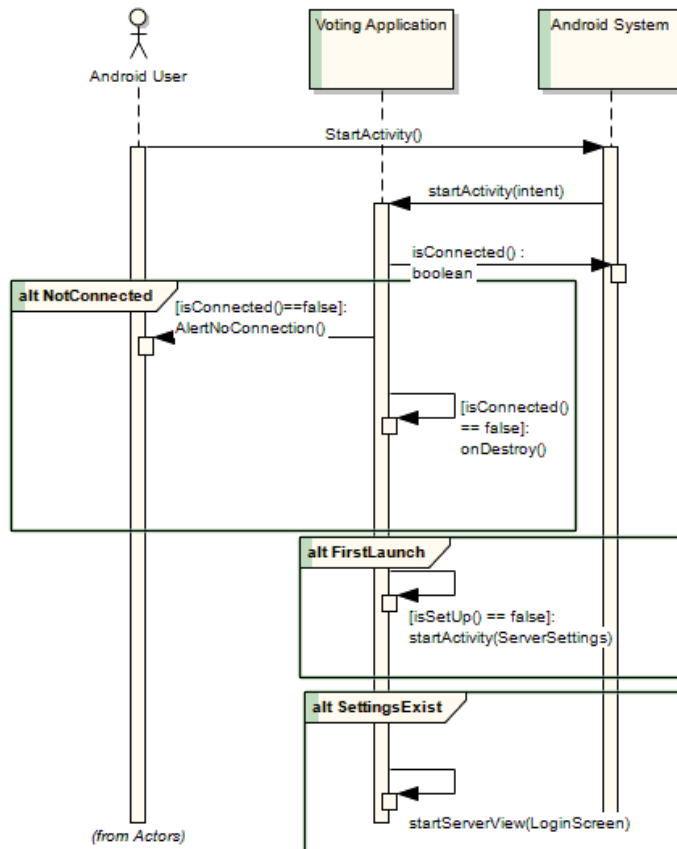






uc Turn On Application

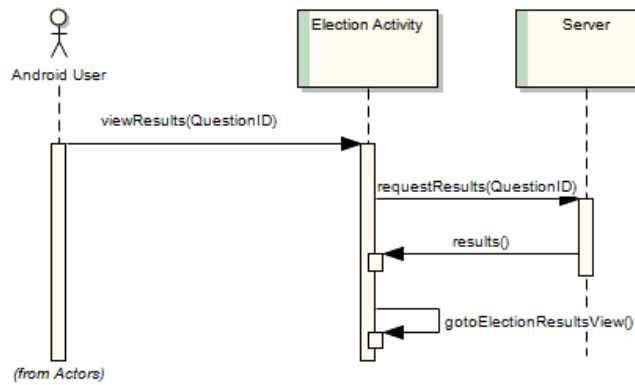
sd Interaction



- Preconditions: None
 Postconditions: Application is launched
 Use Case : Launch Application
 Steps:
1. User starts the Activity
 2. System launches the Activity
 3. ALTERNATE: fresh start
 4. Activity asks the system if it is connected to the internet
 5. ALTERNATE : system is not connected
 6. Exit Activity
 7. ALTERNATE : system is connected
 8. ALTERNATE: first launch
 9. proceed to server settings
 10. ALTERNATE: server settings exist
 11. proceed to serverView
 12. End of use case.

uc View Results

sd Interaction



Preconditions: Question closed, internet connectivity

Postconditions: Results are shown

Use Case : View Results

1. User chooses from the list of finished questions a question
2. Activity asks the server for the results
3. Server returns the results
4. Activity displays the results
5. End of use case.

sd Interaction

