Proiectare Software

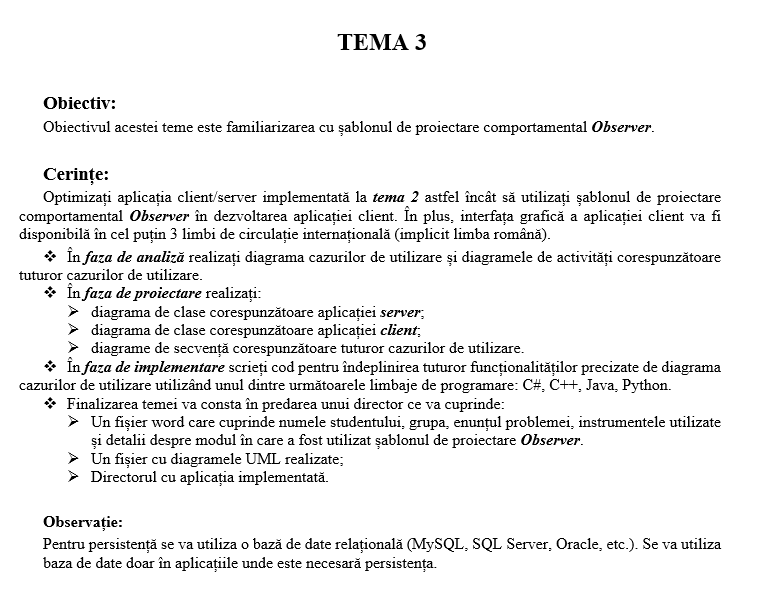
Tema 3 – Descrierea Temei

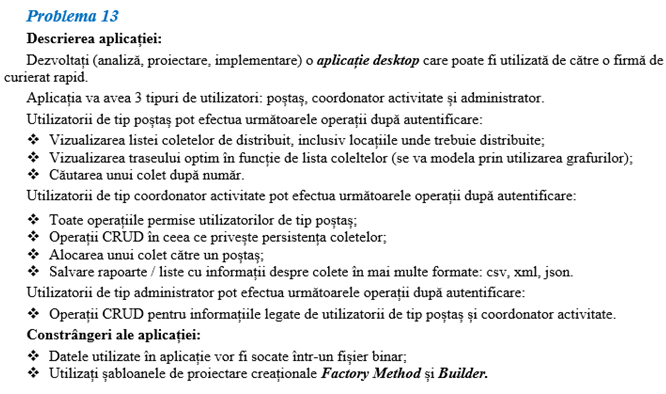
Student: Leucuța Andrei

Grupa: 30234

Prof. coord: Anca Elena Iordan







Pentru implementarea acestei teme, am ales sa folosesc limbajul de programare orientat pe obiect – Java, pentru ca sunt deja familiar cu el, si pentru ca as vrea sa imi dezvolt cunostintele, si sa experimentez cu noi elemente ale limbajului, cum ar fi frameworkul specific Spring.

Versiunea de java - Java 11

Ca IDE am folosit IntelliJ 2019.3.4

Pentru GUI folosesc Java Swing

Pentru generarea diagramelor de clasa am folosit PlantUML + GraphViz

Pentru conexiunea client – server folosesc java sockets

Pentru baza de date folosesc mysql si workbench 8.0 CE

Am mai folosit de asemenea Maven 3.6.1, pentru a importa dependinte:

Jackson XML & JSON 2.9.8

JGraphT 1.4.0

JGraphX (MXGraph) 4.1.0

Pentru diagramele de secventa si diagramele de activitate am folosit <https://app.diagrams.net/> (Draw.io)

Manual de utilizare:

Administrator

Username: admin

Password: root

Coordonator

Username: Cicada

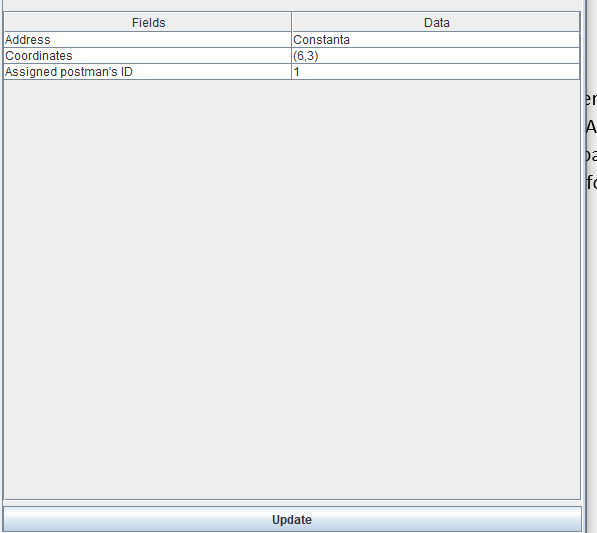
Password: coord

Postas

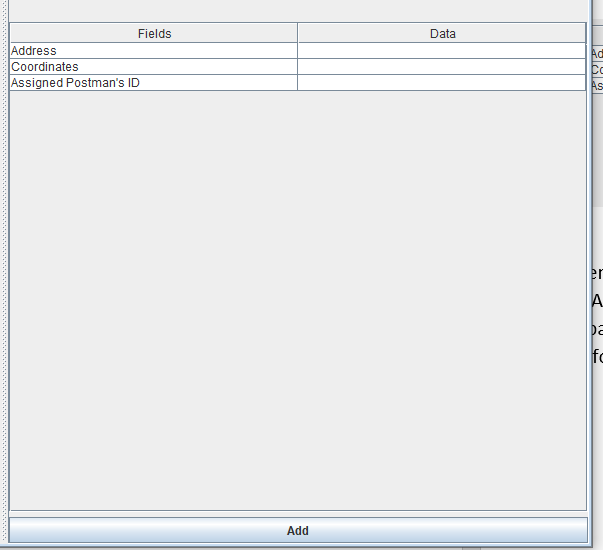
Username John

Password: pass

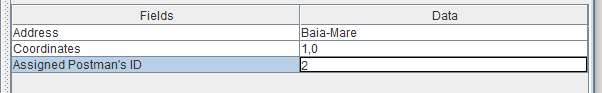
Pentru a face orice fel de actiune (UPDATE/DELETE/VIEW DETAILS) pe datele din tabel, se foloseste **click stanga** pe un rand din tabelul principal -> tabel secundar cu detalii, care pot fi editate, urmand apasarea butonului ‘Update’



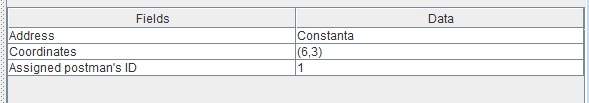
Pentru a adauga intrari noi in sistem, se foloseste butonul de Add Entry / Add Postman / Add coordinator -> tabel secundar cu campurile care apartin de model + informatii goale pentru date, se completeaza informatiile goale



Dupa ce se completeaza datele, se urmareste sa nu fie vreun rand inca ne-introdus



Acum tocmai s-a introdus 2, dar acesta nu este salvat in tabelul secundar doar dupa ce schimbam focusul, altfel nu poate fi folosit

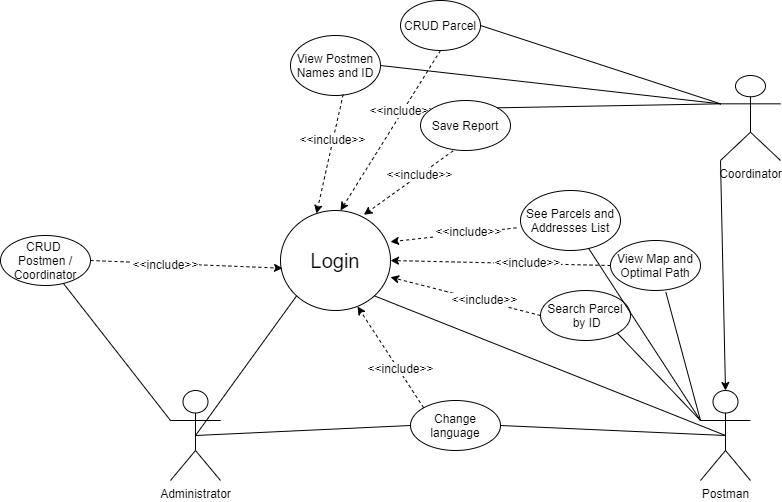


(Aici nu este focusul pe ultimul rand, deci stim ca acesta exista in tabel)

Partea a 2-a

**Diagrame**

# Diagrama use case

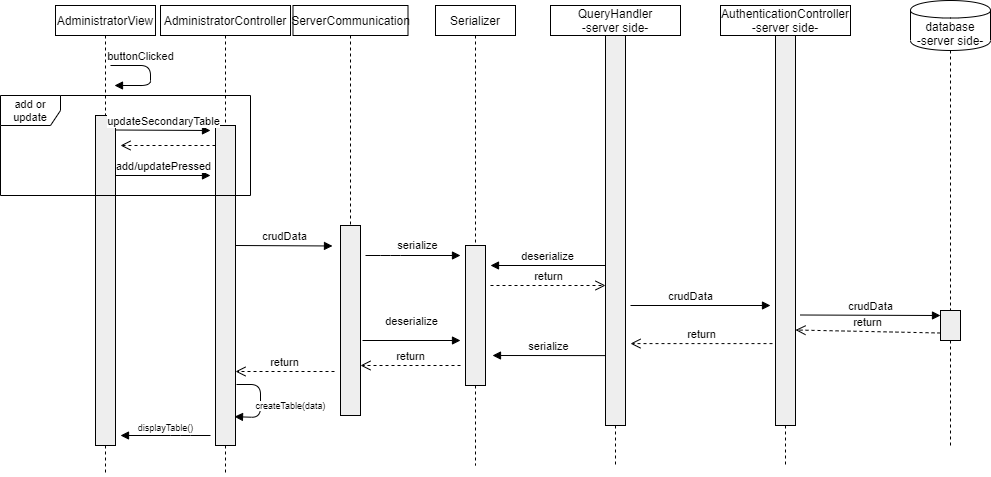


Pentru fiecare use case, voi atasa cate un sequence diagram si cate un activity diagram

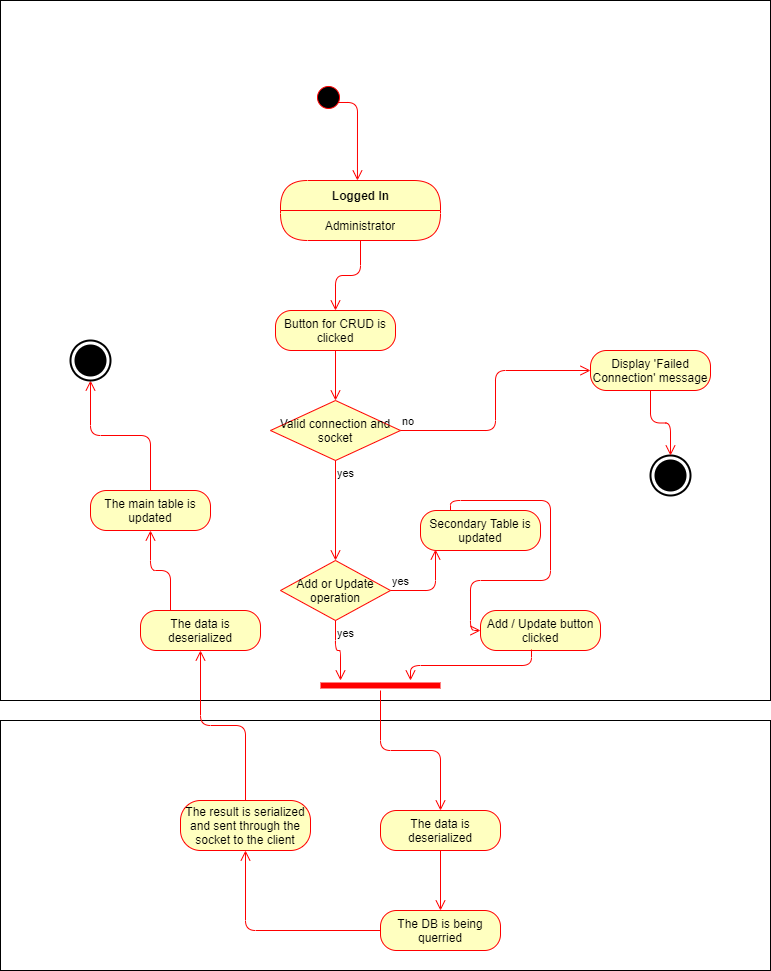
# Sequence diagrams + activity diagrams

Din diagramele de secventa, cele specifice pentru:

Administrator:

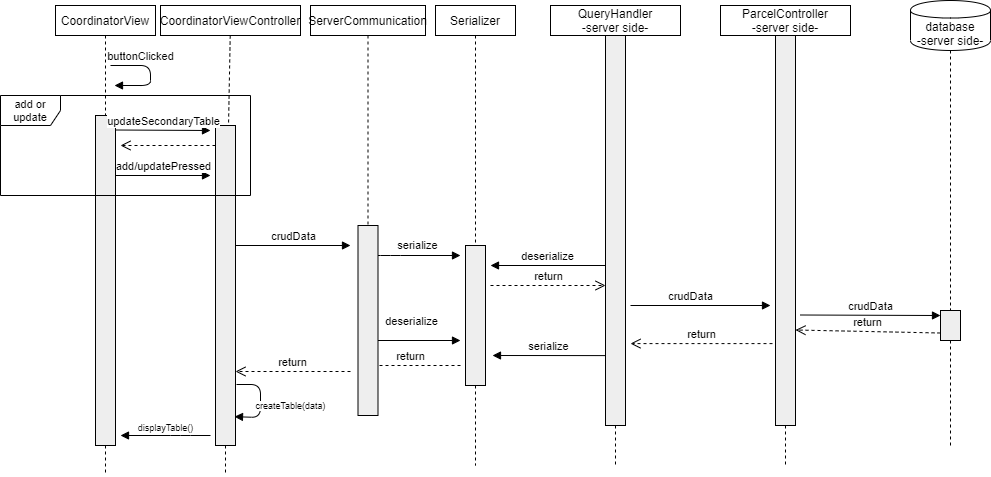


Operatii pe baza de date CRUD la postasi si coordonatori

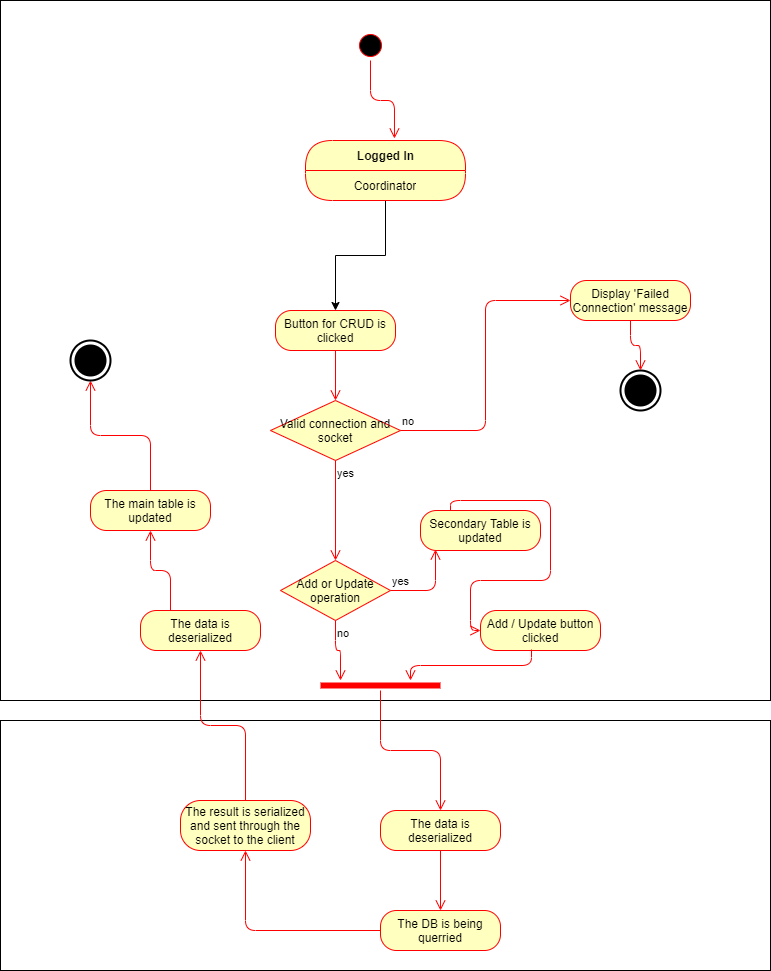


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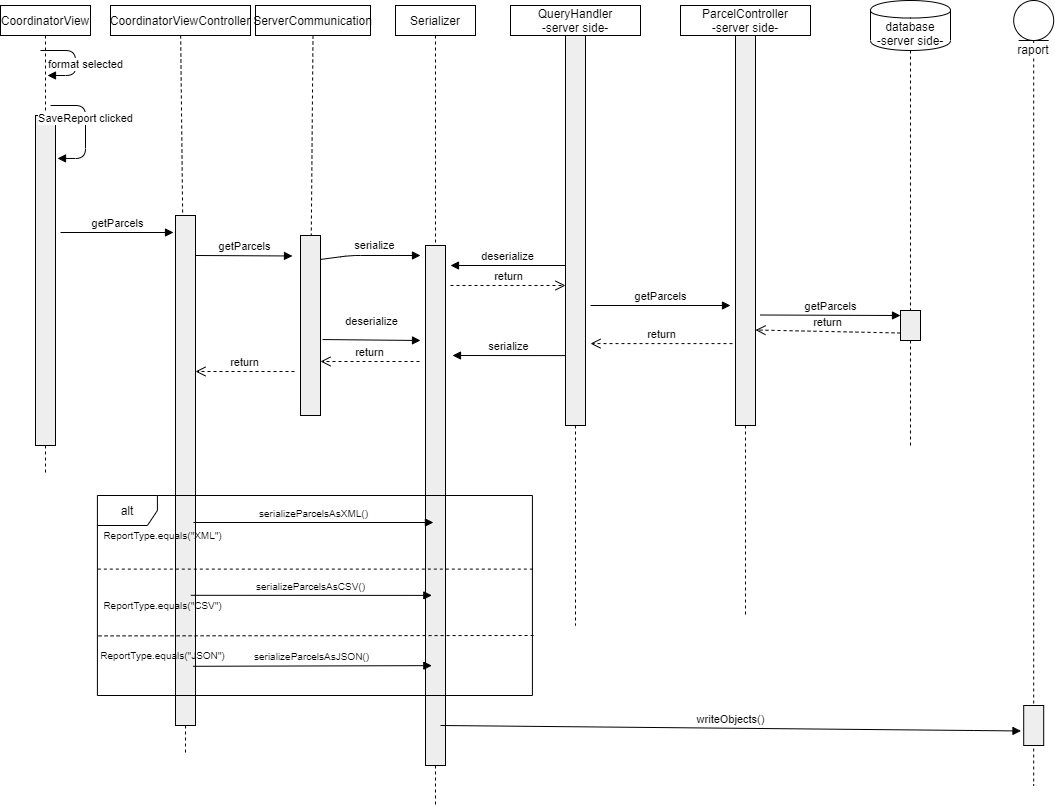
Coordonator:

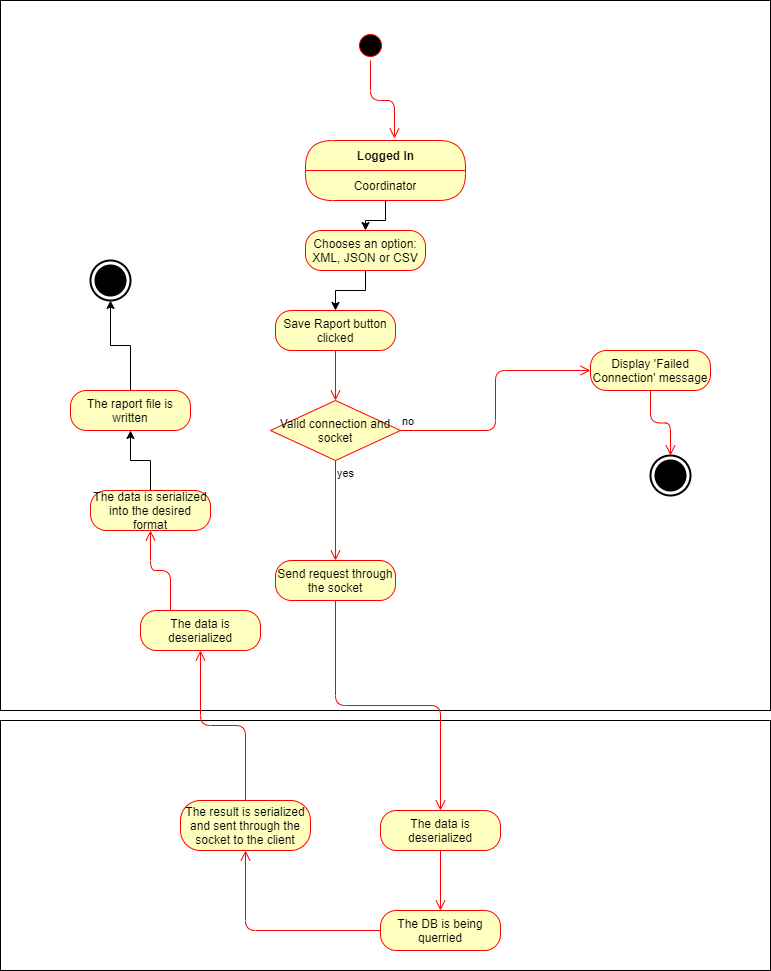


Operatii pe baza de date CRUD la colete

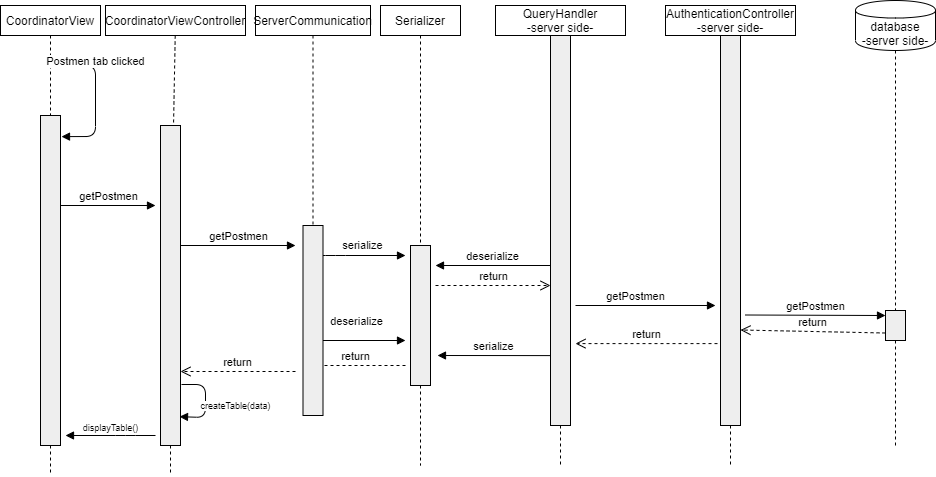


Operatii pe baza de date CRUD la colete

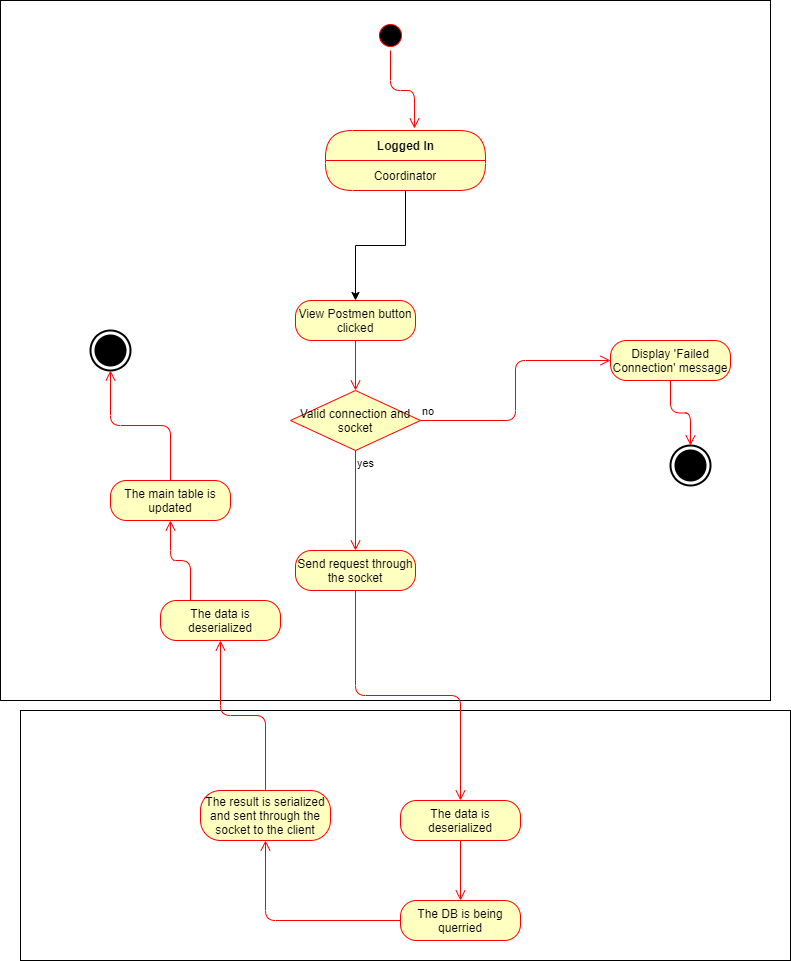


Salvare raport

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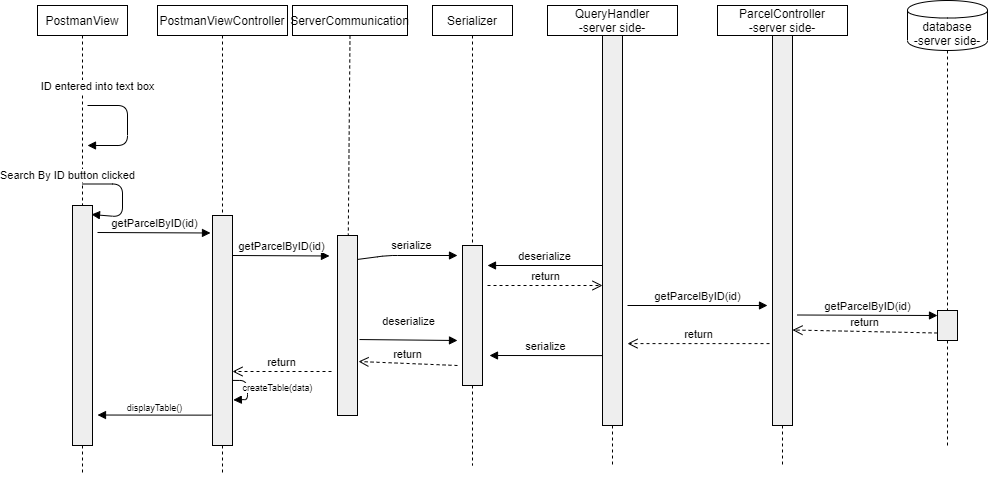


Vizualizeaza postasi

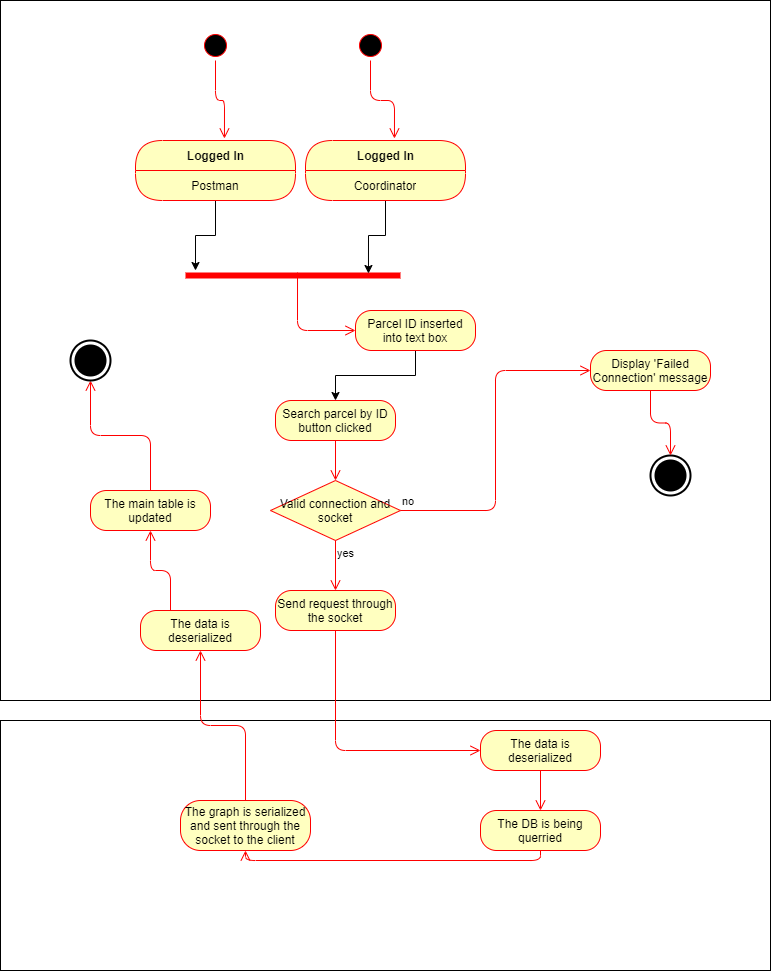


Vizualizeaza postasi

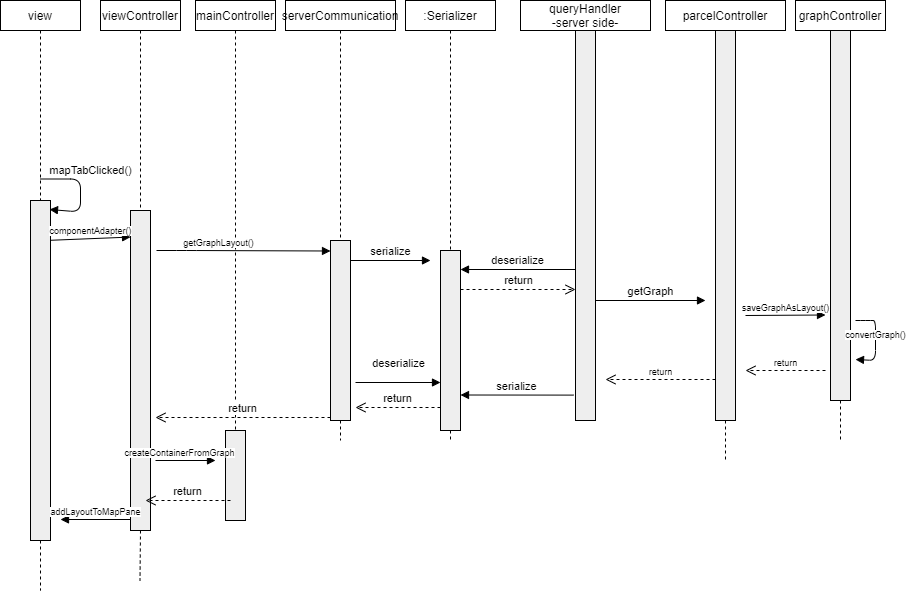
Operatii specifice pentru postasi + pe care le pot face si coordonatorii



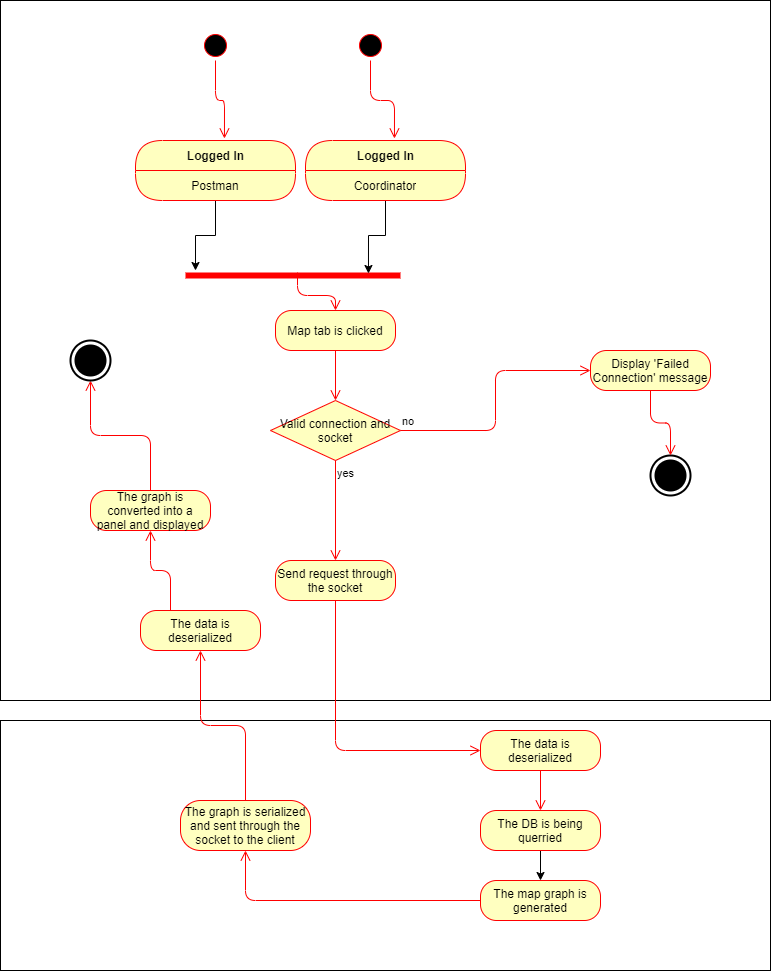
Cauta colet dupa ID



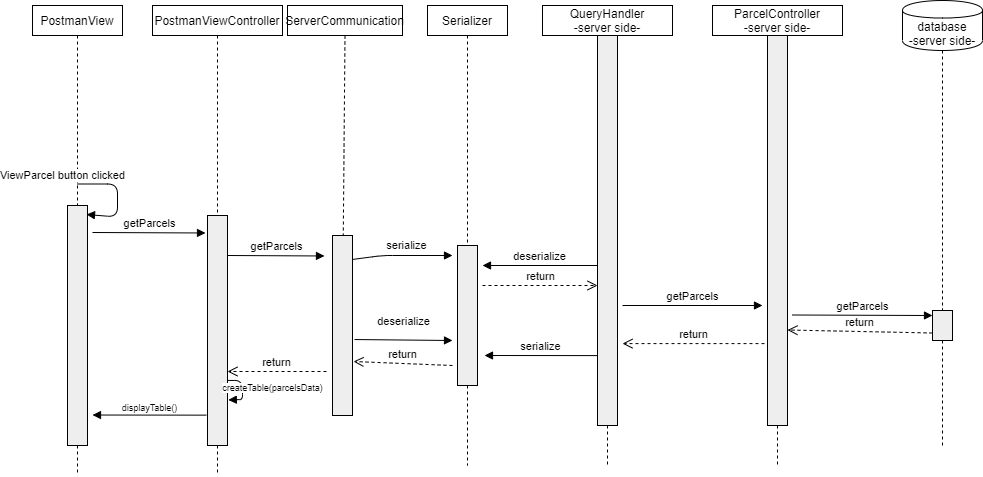
Cauta colet dupa ID



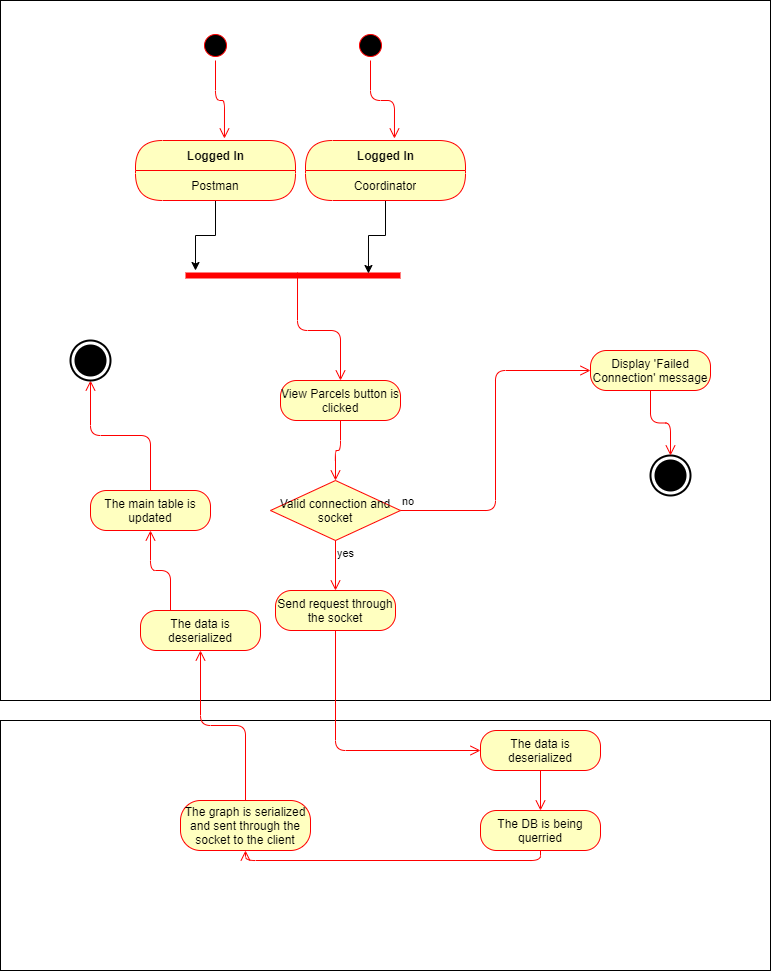
Vizualizeaza harta



Vizualizeaza harta

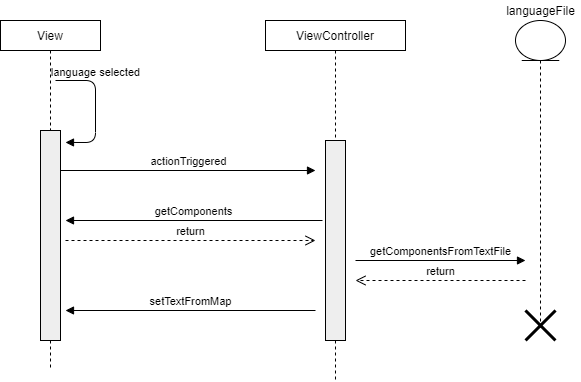


Vizualizeaza colete

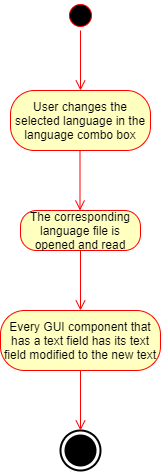


Vizualizeaza colete

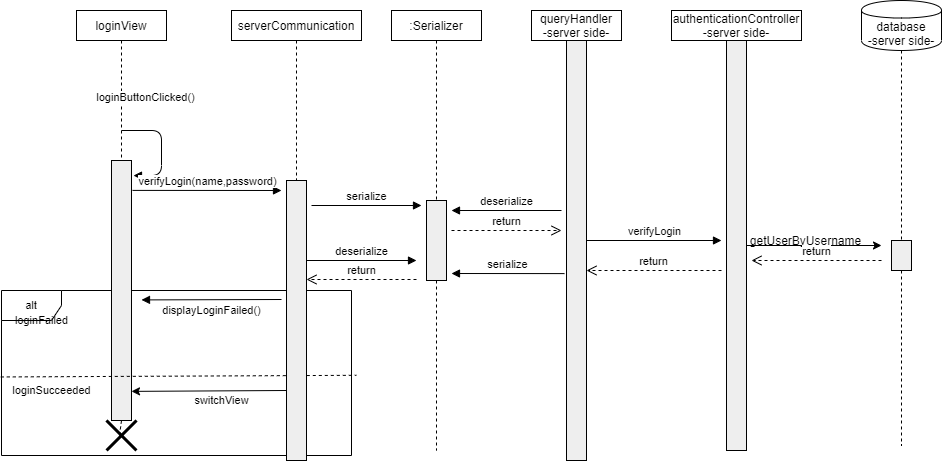
Actiuni pe care orice utilizator le poate realiza:



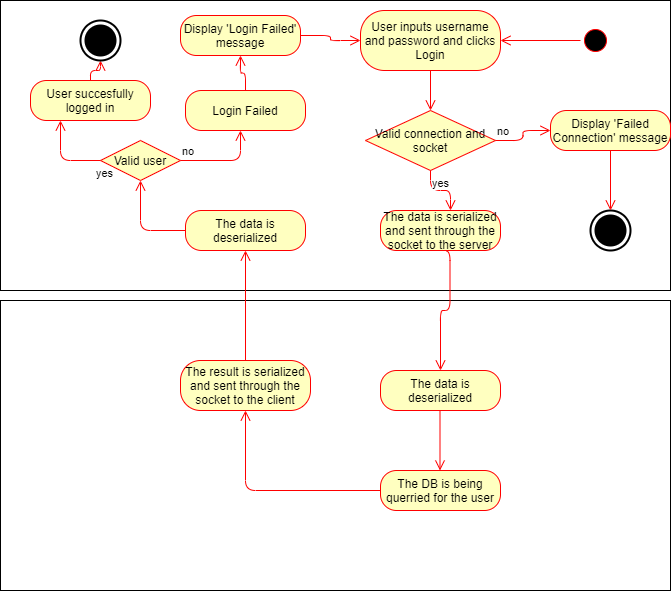
Schimbare limba programului



Schimbare limba programului



Autentificare



Autentificare