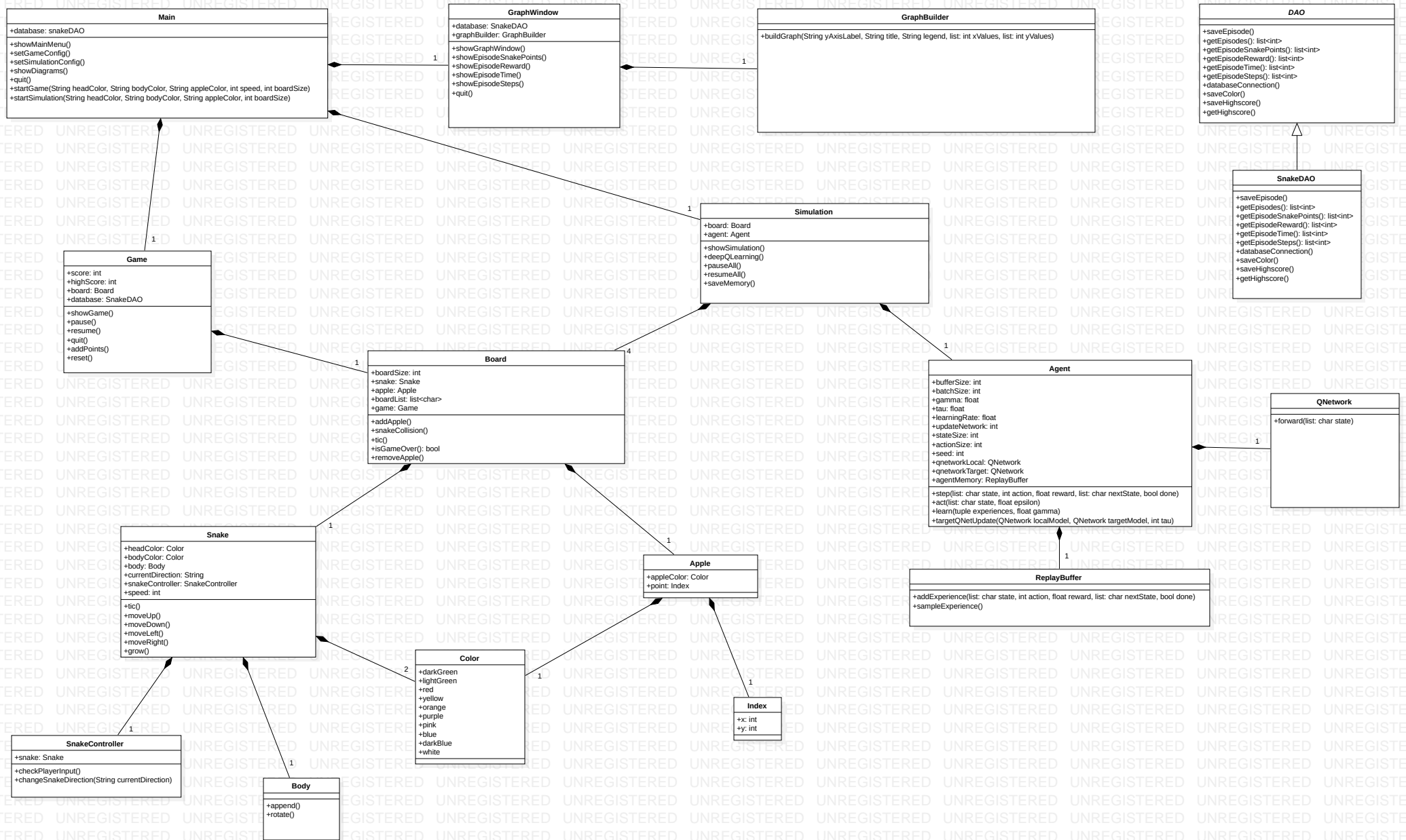


## Model



# SNAI.KE

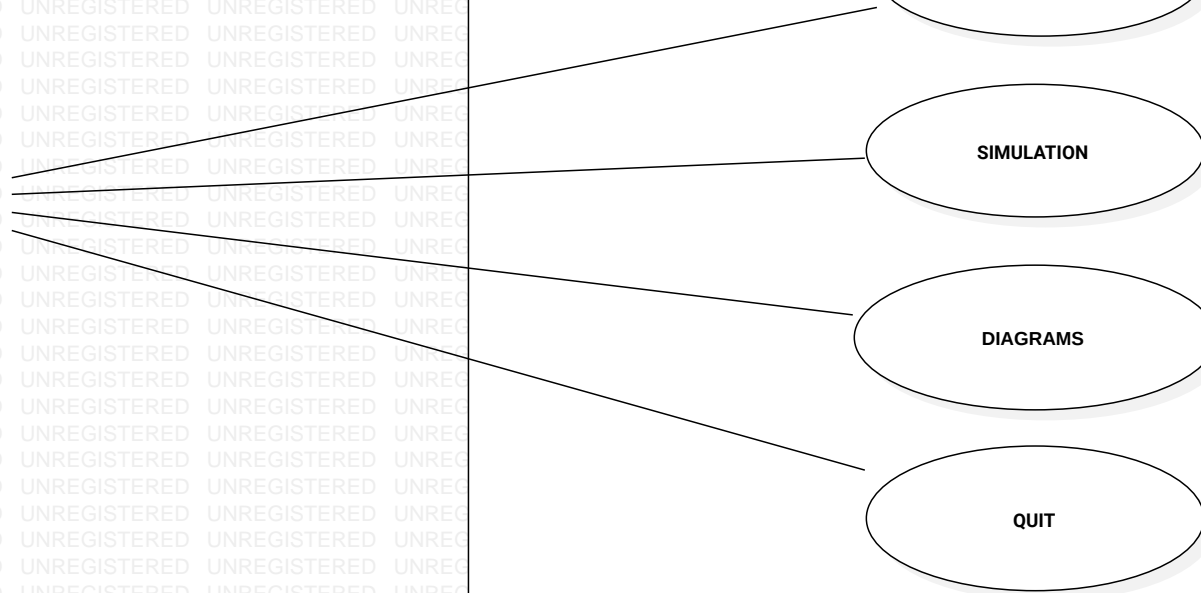
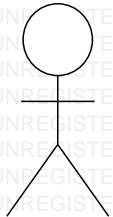
PLAY

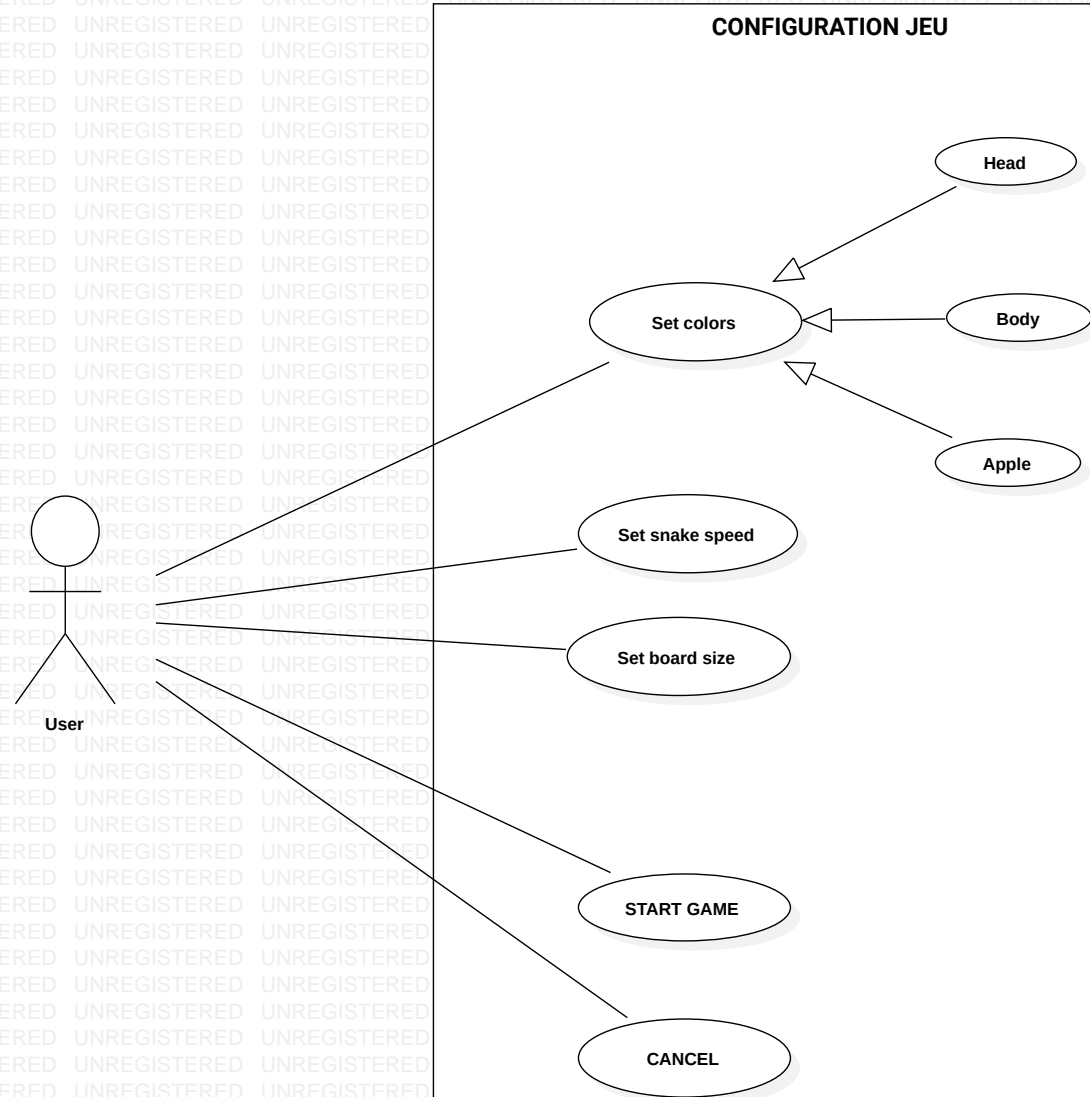
SIMULATION

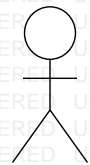
DIAGRAMS

QUIT

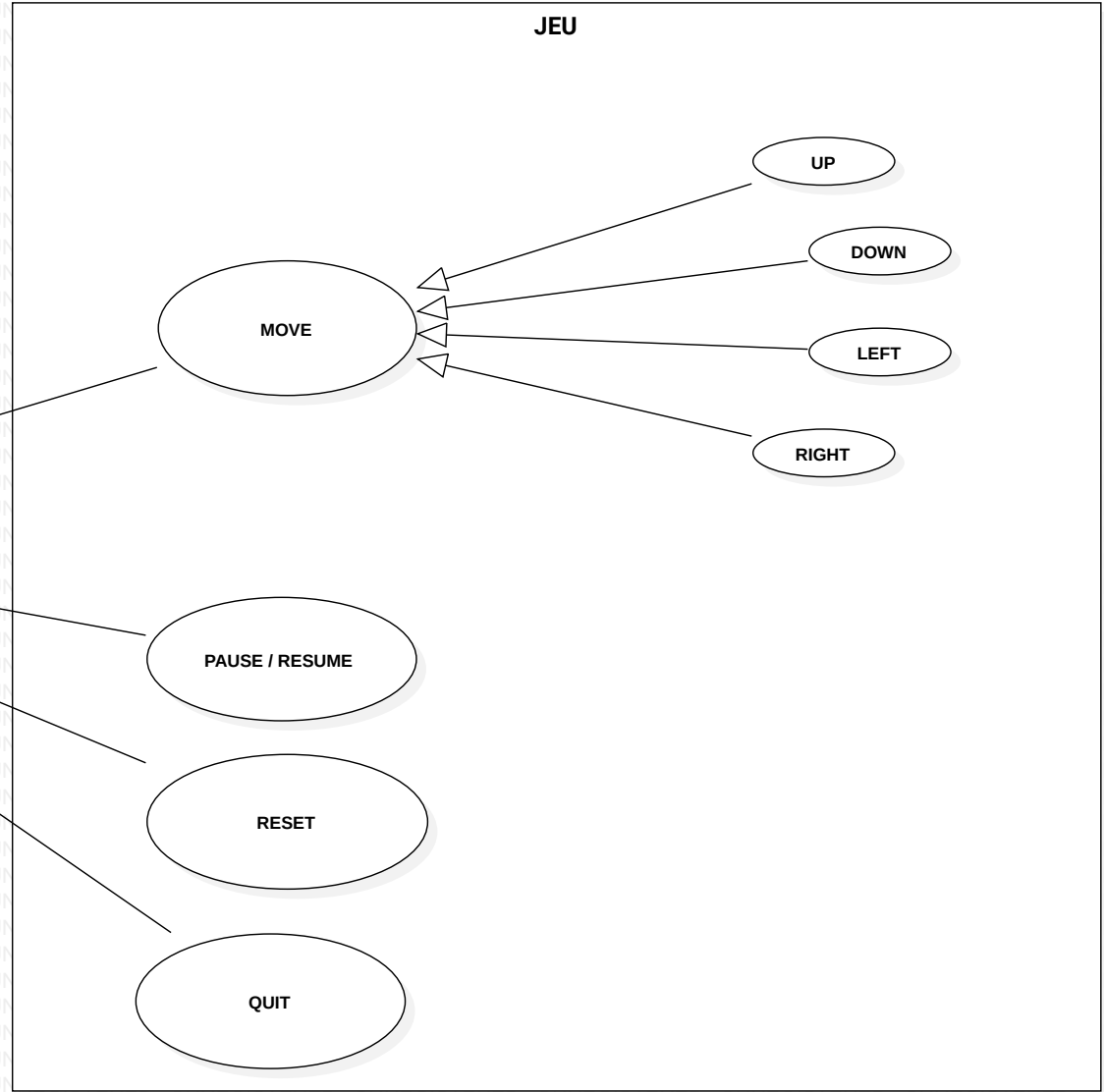
User







User

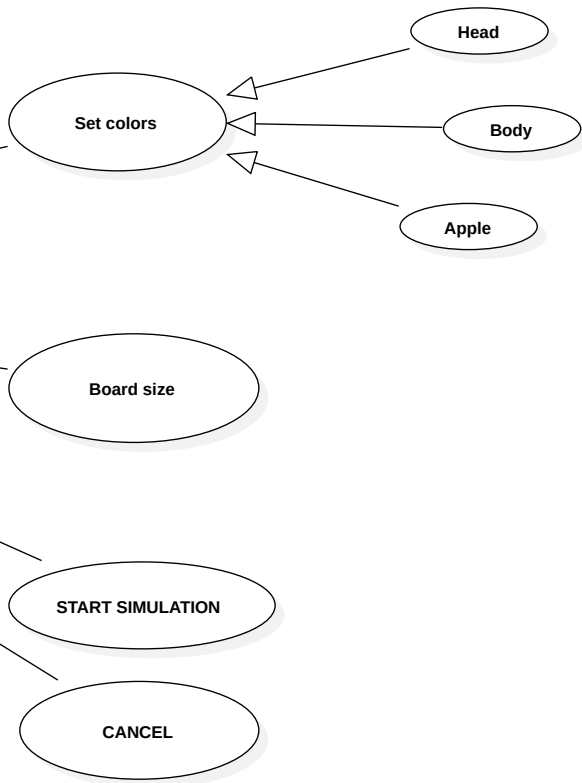


# Model Canvas CONFIGURATION SIMULATION

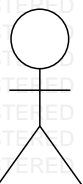


User

## CONFIGURATION SIMULATION



# Model Canvas SIMULATION



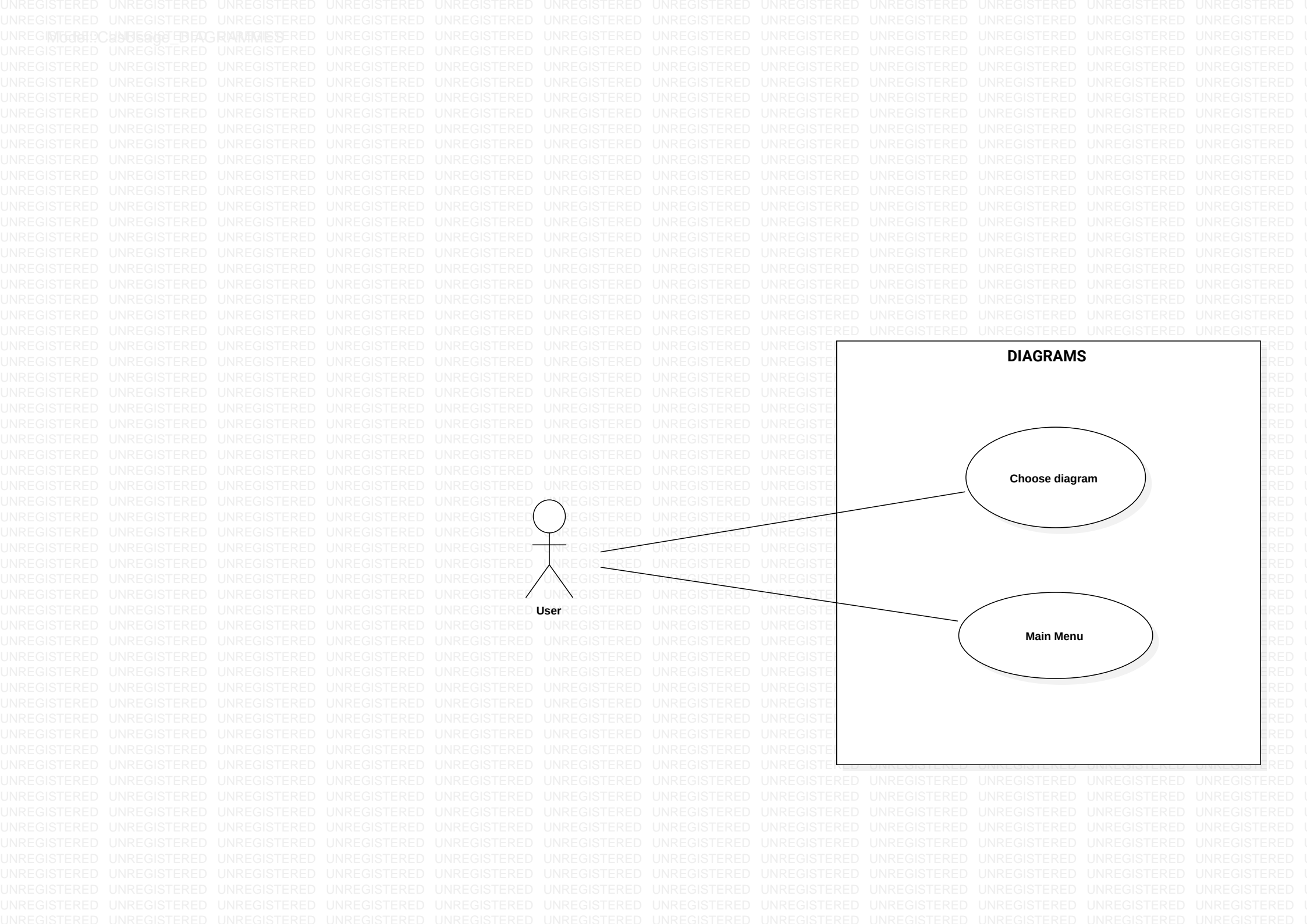
User

## SIMULATION

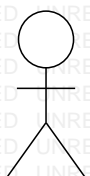
RESET

PAUSE / RESUME

QUIT



# Model Canvas DIAGRAMS

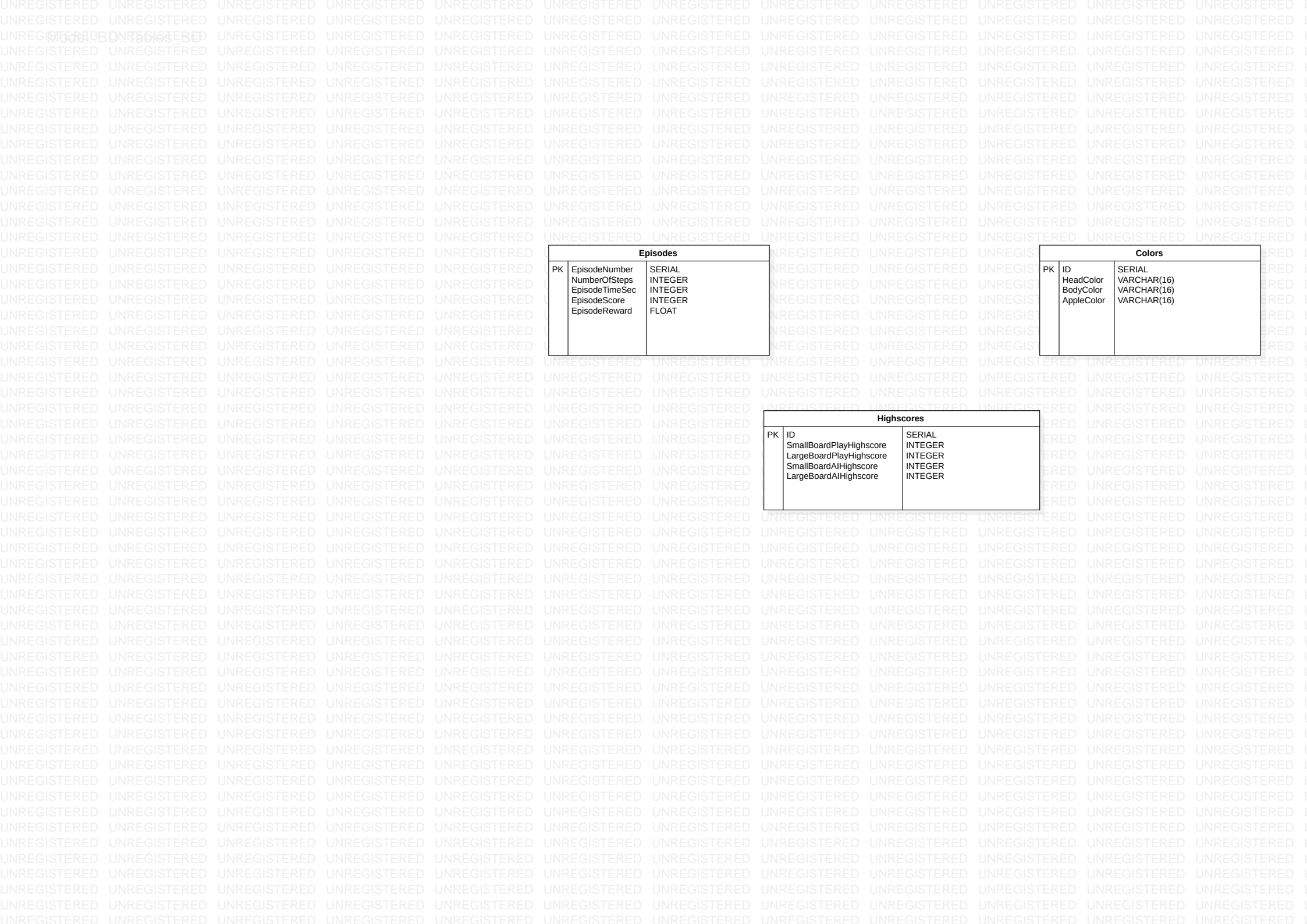


User

## DIAGRAMS

Choose diagram

Main Menu



| Episodes |                |         |
|----------|----------------|---------|
| PK       | EpisodeNumber  | SERIAL  |
|          | NumberOfSteps  | INTEGER |
|          | EpisodeTimeSec | INTEGER |
|          | EpisodeScore   | INTEGER |
|          | EpisodeReward  | Float   |

| Colors |            |             |
|--------|------------|-------------|
| PK     | ID         | SERIAL      |
|        | HeadColor  |             |
|        | BodyColor  |             |
|        | AppleColor |             |
|        |            | VARCHAR(16) |
|        |            | VARCHAR(16) |

| Highscores |                         |         |
|------------|-------------------------|---------|
| PK         | ID                      | SERIAL  |
|            | SmallBoardPlayHighscore |         |
|            | LargeBoardPlayHighscore |         |
|            | SmallBoardAllHighscore  |         |
|            | LargeBoardAllHighscore  |         |
|            |                         | INTEGER |
|            |                         | INTEGER |
|            |                         | INTEGER |
|            |                         | INTEGER |



# sd Visualisation\_Graphes

GraphWindow

SnakeDAO

Database

GraphBuilder

1 : showDiagrams()

2 : Choix du graphique

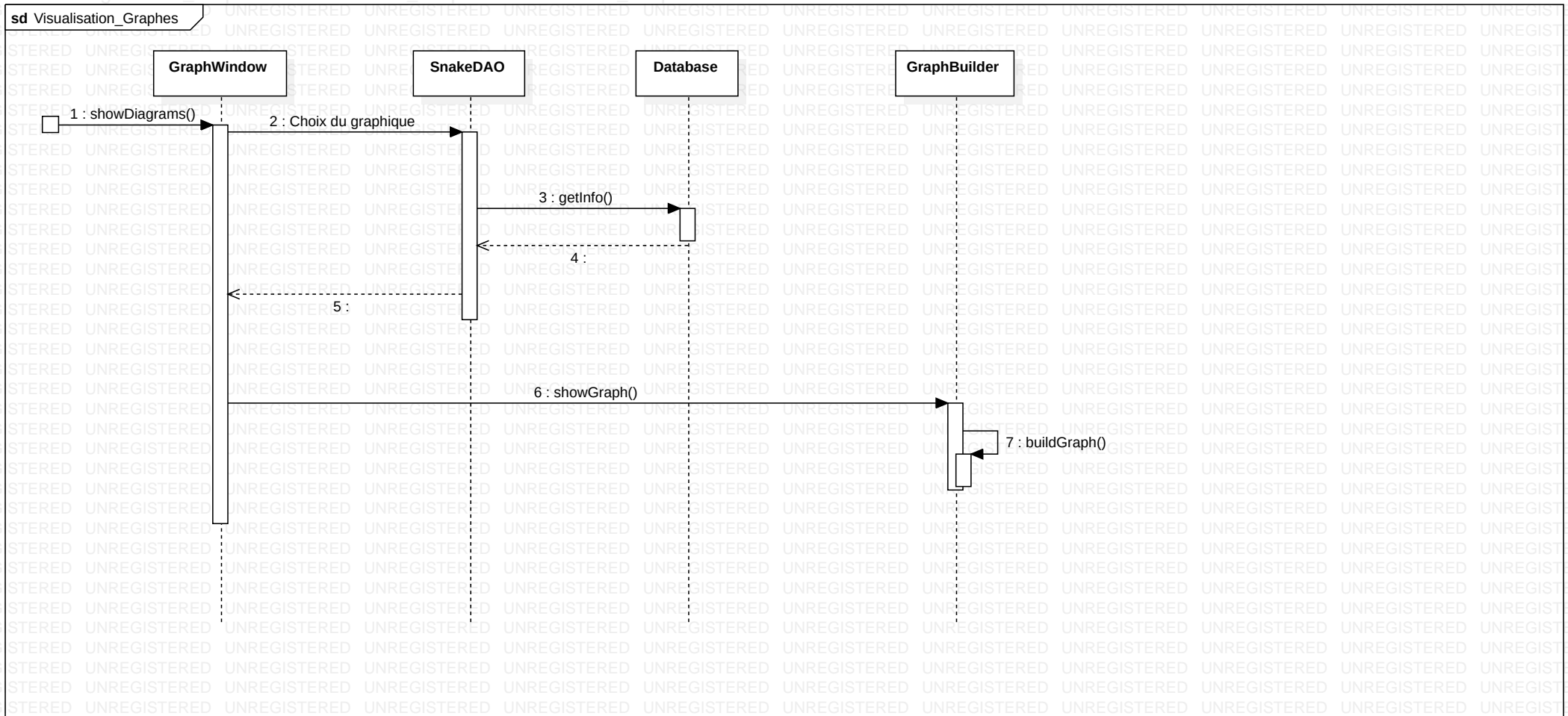
3 : getInfo()

4 :

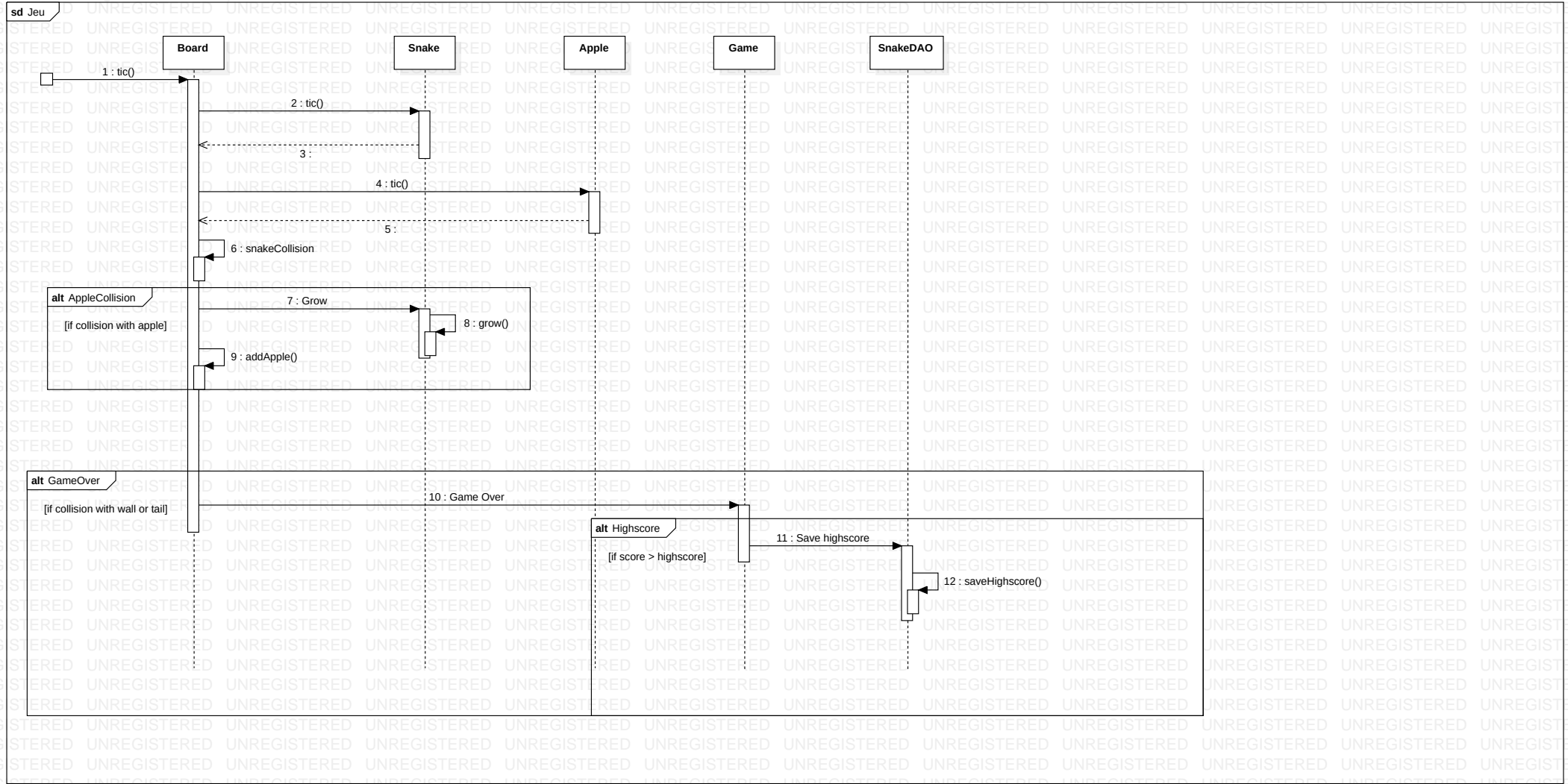
5 :

6 : showGraph()

7 : buildGraph()



# Model Diagrams - Sequence - Jeu-Jeu



# sd Simulation

Simulation

Agent

1 : tic()

2 : Action to take

3 : act()

4 :

5 : Make a step

6 : step()

alt Save memory

[if episode number == 100]

7 : saveMemory()

