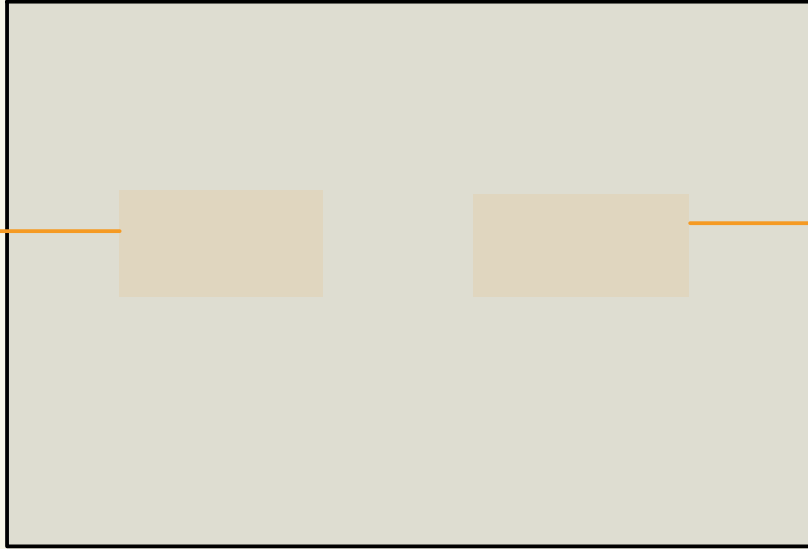go to
the single
simulation page

go to the
compare page of
two viruses simulation

Report (exist when the user has at least one simulation)

Population Density (text field)

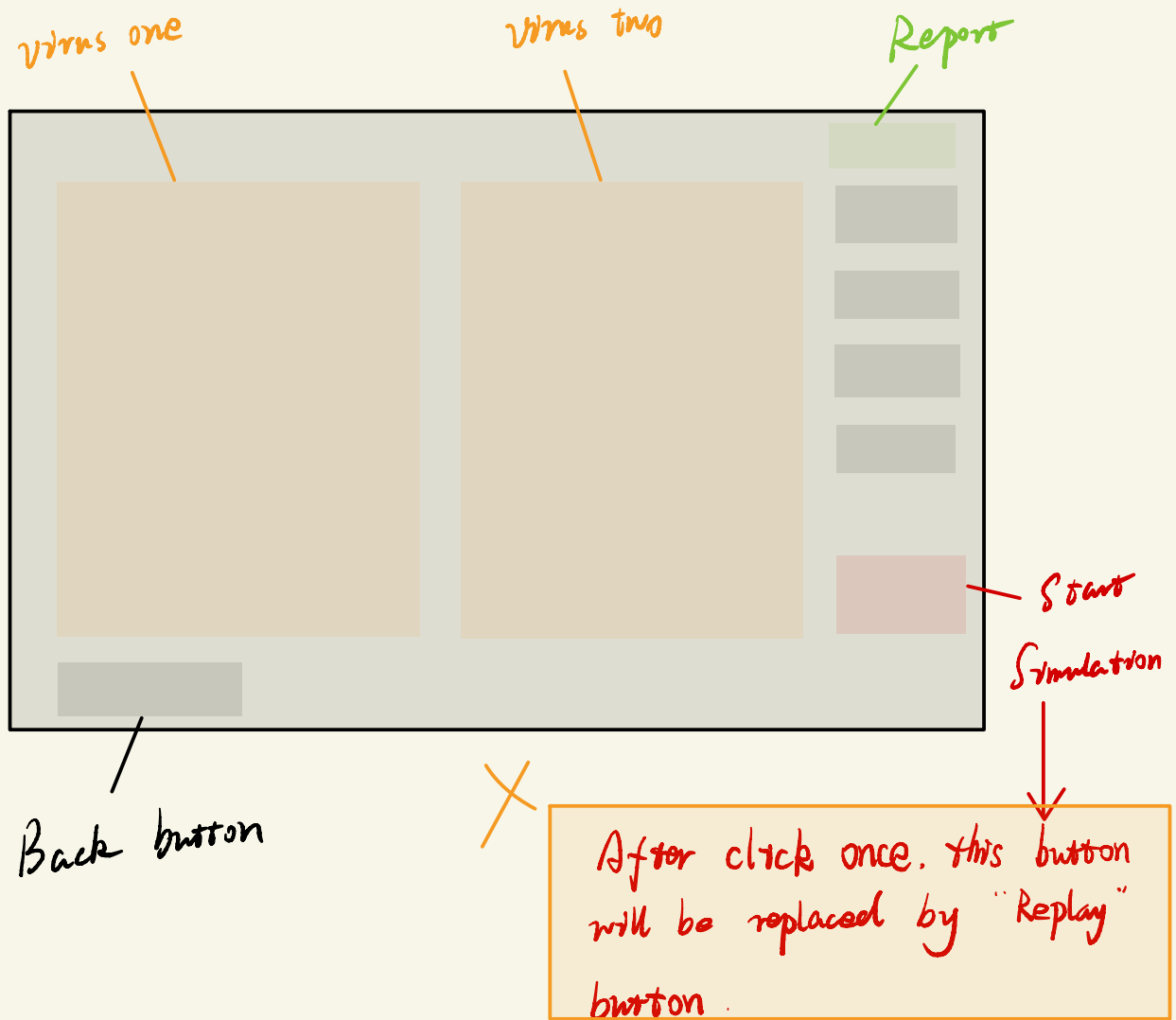isWearingMask (check box)

isTest and Contact-Tracing (check box)

isQuarantine (check box)

PathogenType Pathogen (combobox)
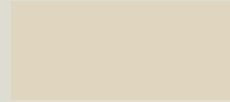
Start Simu

Back button

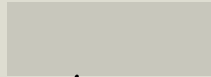Start Simu (double. pd. ......)

Virus one

Virus two

Report

Start Simulation

Back button

After click once. this button will be replaced by "Replay" button

Simulations You Have Made

Page Simu
List.

Button
to view
specific simulation

Back button

graph

File 1

download
button

Back button

MainJFrame

SingleSimuJPanel

SimuCanvasJPanel

Area — AreaUnit

MultiSimuJPanel

ChooseSimuJPanel

ViewReportJPanel

Platform

PageSimuDirectory — PageSimu — OnePathogenSimu — ChartDirectory — Charts
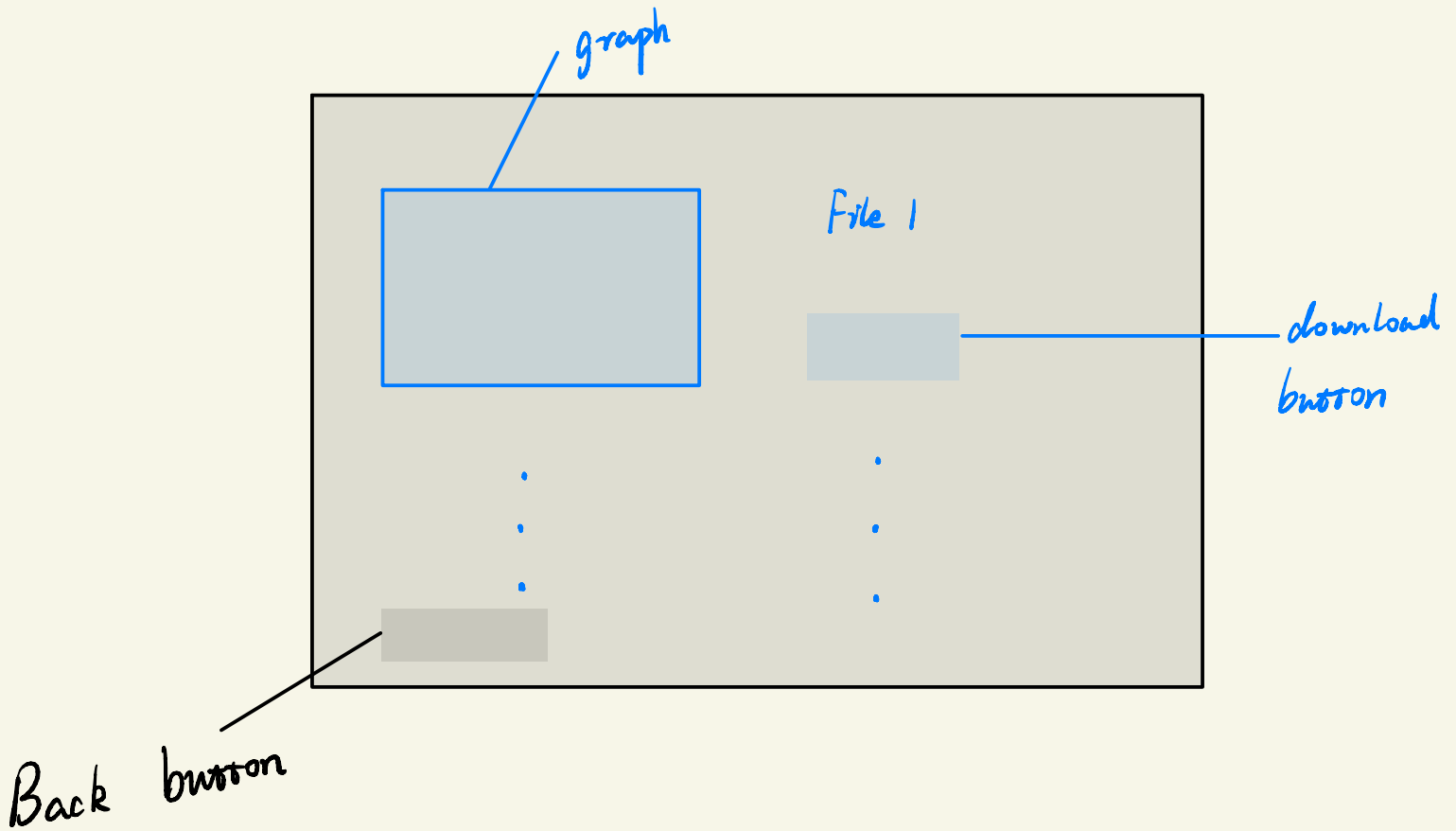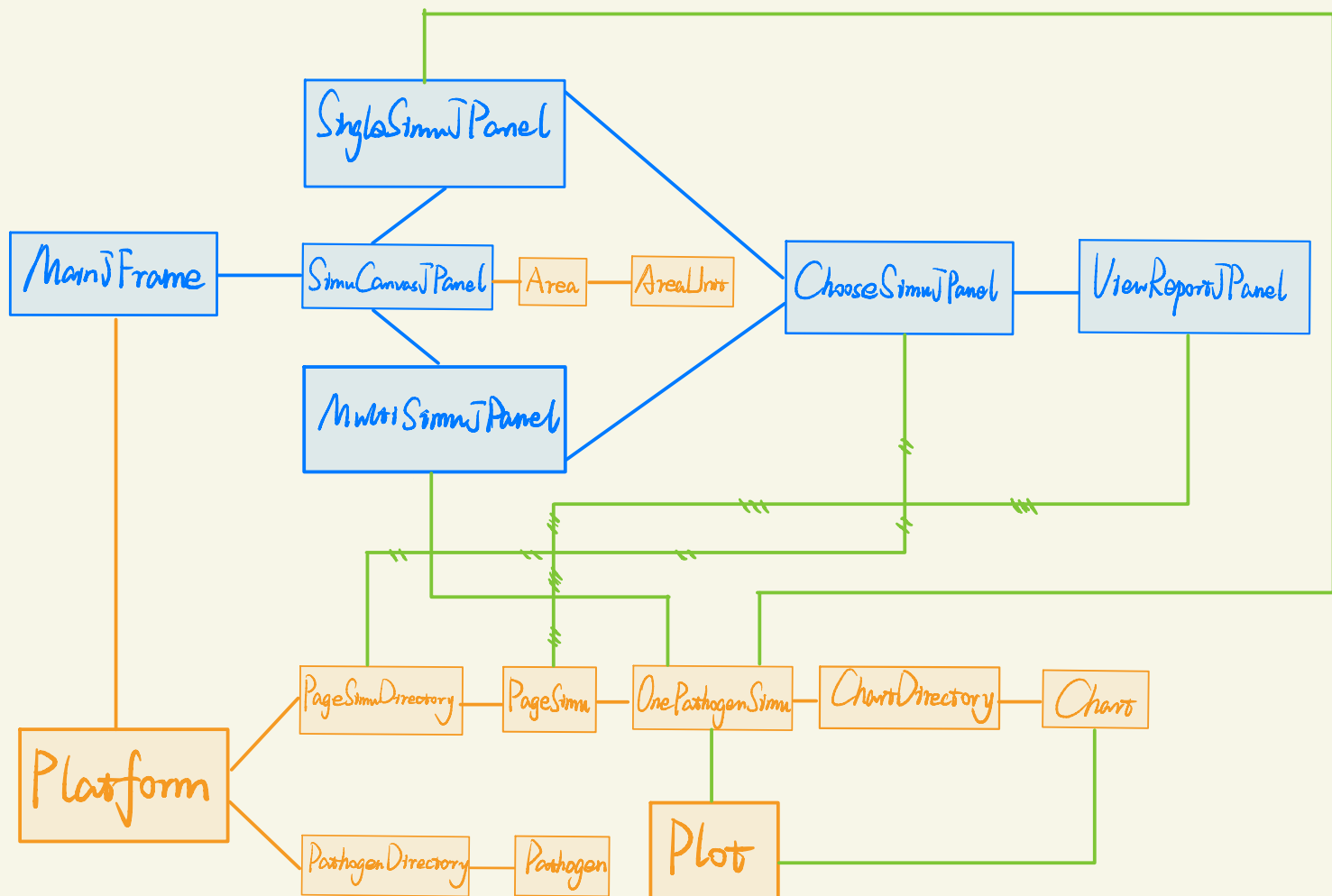
PathogenDirectory — Pathogen

Plot

Program Structure

Src
  Business
    Platform
      Platform.java
    Pathogen
      1..* Pathogen.java
      1 PathogenDirectory.java

Simulation

1..* OnePathogenSimu.java ⟶ Porting from ABSimulation

1 PageSimu.java

* PageSimuDirectory.java

DrawArea

* AreaUnit ⟶ Porting from OceanGrid/Block
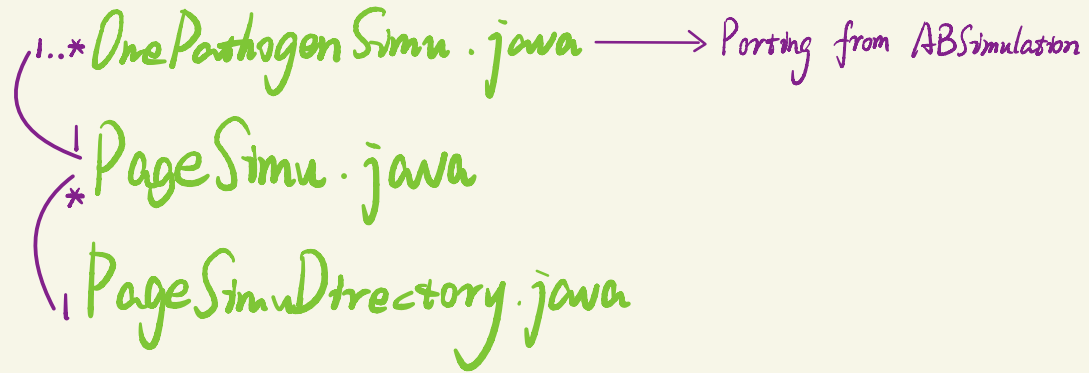
1 Area
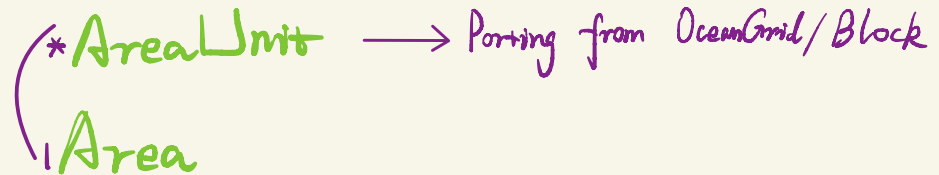
Plot

x x x x . java

x x x x . java

Report

- *Chart.java
- ChartDirectory.java

↓

One OnePathogenSimu has one ChartDirectory

UserInterface

MainJFrame.java

SingleSimu

SingleSimuJPanel.java

Multiple Simu

  MultiSimuJPanel.java

Canvas

  SimuCanvasJPanel.java

View Report

  ChooseSimuJPanel.java

  ViewReportJPanel.java