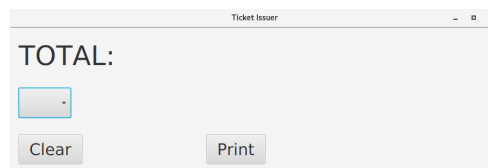


## Lab lecture exercises – Week 11

In this lecture we want to build a very simple GUI in JavaFX for issuing cinema tickets. In order to get started, download the **lab11-fragment.zip** file from the Canvas pages. We follow the model-view-controller (MVC) schema to separate the different elements. In the end, we will have five different files:

1. **Ticket.java** contains the core of the system to create objects of type **Ticket**.
2. **TicketMain.java** contains the **main** method and the **start** method. It extends the class **Application**.
3. **Controller.java** extends **GridPane** and contains event handlers for the different actions a user can perform:
  - Selecting a screen.
  - Requesting 3D glasses if the screen is a 3D screen.
  - Clearing the form.
  - Printing the form.
4. **tickets.fxml** specifies where the six different elements (the four controllers mentioned above plus the two **TextFields** should go.
5. **tickets.css** is a cascading stylesheet that contains information about the font sizes used and potentially other display information.

The initial display should look like:



Some later display should look like:

