Ticket System

Idea:

The idea behind this project is to create a bug tracking/ issue tracking system using Java, FXML, POSTGRSE.

**What should it be able to do?**

The fundamental the software should do is allow me to create a new ticket (issue), update **existing open** tickets, and it should allow me to simply view all/specific open or closed tickets.

For now, that is the only think I will be worried about. I do have many ideas of how to improve this software, but I don’t want to overwhelm myself.

**How will it work?**

All pages will be FXML files

The home page

* For now the home page should have only 3 buttons the view, update, and create buttons
* When I click on the view button I should be taken to the view tickets page. The same goes for the rest of the buttons
* That is all the home page should do

View Page

* The view should have a text box that will allow you to sort by only ticket ID.
* It should also have a way to present all the from the ticket to the user
* That is all for now

Create page

* This should be a form the user should fill out their name, the type of ticket, the date, a contact, and a description.
* Name, contact and description should be text boxes
* Type of ticket should be a drop menu
* Date should hopefully automatically fill in to what ever date it is that day

Classes

Ticket Class

* Data fields
  + String Ticket ID
  + String Name of Ticket
  + String Name of user
  + String Type of ticket
  + **Not sure** date opened
  + String Contact
  + String Description
  + Boolean status

Methods (ticket class)

* Getter for all of the data fields
* Setter for status field
* For not that is all I can think of

Controllers

* Each page will have its own controller class.
* The home page controller will allow the buttons to move from page to page.
* The create page controller will send the user data to the model
* The vire page controller will ask for data from the model

Model

* I think I will only need 1 model for this application. Since there is only 1 database so far.
* The model will take in a ticketDAO object and a page controller.
* The ticketDAO is the object that will be connecting to the POSTGRSE database.

Maybe hash the tickets to the database?

Do I store the Ticket object or the datafileds of the ticket object?