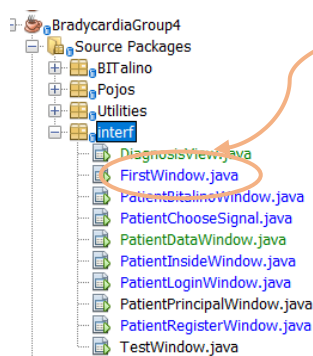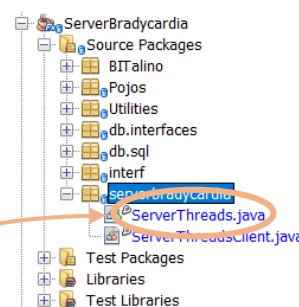# Find Your Beat

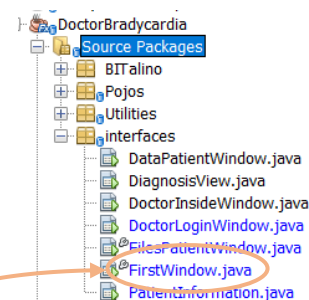Carmen Cabezaolias, Alejandro Dantart,
Maria Rollano, Cristina Ubeda

How to run the program

1. **Run the server**. Open the project ServerBradycardia go to the package serverbradycardia, run the class ServerThreads. When you run this class, a graphical interface will show with a *STOP* button, which will let you close.

2. **Run the application for the patient**. Open the project BradycardiaGroup4, go to the package interf and run the class FirstWindow. From now on you can find the instructions on how to use the application in the User Manual. You can run as many clients as you want at the same time.

3. **Run the application for the doctor**. Open the project DoctorBradycardia, go to the package interfaces and run the class FirstWindow. From now on you can find the instructions on how to use the application in the User Manual.

Protocol used to communicate between the client and the server

To communicate with the server the client is using a TCP connection. We decided to use TCP because since the health of people is in the line, we prioritize the security rather than the speed. By using TCP we are making sure no data is lost. We have used different threads in the server in order to allow several client connections at the same time.

Also we have implanted serialization to send the files with the patient results to the doctor, form the server.