

Dr. Rx Mood

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Overview

- Reads data containing patient results on various mental health screenings (ASRS, GAD-7, etc.)
- Patients can be queried by last name and patient's info is displayed in a new window
- Info displayed is personal information and scores, and whether the patient is at risk for mental health conditions

Development

- Project was built primarily using the Java Swing package
- Patient data (first name, last name, DOB, PHQ-9, GAD-7, ASRS, ISI and CSS) is read from a CSV file
- IntelliJ was used to create a working jar file, which was converted to a windows .exe file. Then a shell script is used to call the .exe file.

User Testing Outcomes

User 1

During Testing

- Unsure of how to Start
- What's Included?
- Invalid Name Did Nothing

Comments

- Include an 'Easy Start'
- Display Invalid User

User 2

During Testing

- Attempted without 'How to Use' Guide
- Data makes complete sense
- Easy readability

Comments

- Add sample patients somewhere in the window

Roadblocks/Issues

- Continuous Integration/Github issues
- Unknown 3rd party source for storing/reading patient info
- Creating an executable file proved to be difficult
- Using JPanels/JLabels

Future Work

- Implement algorithm to display recommended treatment based on patient screening scores
- Improve user interface
- Implement system for displaying a list of clickable query results when multiple patients have the same last name
- For future development we would integrate database support such that the local csv would update based on changes made to patient information and vice versa.

LIVE DEMO!