Xamine RIS Project Deliverables

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User Manual

See included media for User Manual PDF.

Tools Used

* Jira: We used Jira to track our requirements and tasks.
* Discord: We used discord to communicate and have full meetings. Also used for notes, resource posting, and a help channel.
* Draw.io: This tool was used to develop our workflow diagram and ERD, to have a good visual guide for our requirements
* Creately.com UML Diagram tool: Used to create UML class diagram for our program structure.
* Eclipse IDE: IDE used by all members. Used the WindowBuilder plugin to design and implement our GUI
* GitHub: Used for code storage and sharing between project members, also where docs were stored.
* MySQL Server and Workbench: Used to create and utilize database

Project Planning and Organization

We used a standard Software Engineering process to plan our development of Xamine RIS:

* Requirements Gathering: See included media for our requirements list.
* Prototype: Materials provied in included media
* Design: See the next few pages for our ERD and Workflow diagram, used to plan out our data.
* Implementation: See included media for our full, documented codebase.
* Testing: Testing report included in media

Project Deliverables

Entity Relationship Diagrams

Xamine App:



Models:

* Patient: A record holding a single patient’s history, information, and orders.
* Order: A single referral order placed by Referring Dr. user and updated through flow of the program.
* Image: A single file, with associated label and other details.
* Team: An organizational tool to separate RIS staff into teams for assignment for orders.
* ModalityOption: A list of options for modality available in the RIS clinic.
* User: Record holding information for a single user, username, password, permission etc.
* Permission: Holds records for permissions levels and their assciated variables.

Workflow Diagram



Functional Sequence Diagram



UML Class Diagram





Other Deliverables

Please see included media for additional deliverables:

* User Manual
* Testing Results
* Requirements Lists
* Documented Code
* URL Definitions