

**Med Scribe Pro**  
*Online Medical Prescription Application*

# Project Plan – second semester

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## Team Members

Alijawaad Dewji – [adewji@fit.edu](mailto:adewji@fit.edu)  
Joshua Weil – [jweil@fit.edu](mailto:jweil@fit.edu)  
Mohammed Alzahrani – [malzahra@fit.edu](mailto:malzahra@fit.edu)  
Sultan Almotairi – [salmotai@fit.edu](mailto:salmotai@fit.edu)



Faculty Sponsor – Philip J. Bernhard - [pbernhar@cs.fit.edu](mailto:pbernhar@cs.fit.edu)

## Project Goals

The overall goal of this project is to plan and implement an online application that allows Doctors, Patients, and Pharmacist to share important medical information via secure online databases. Our main goal is to manage medical prescriptions by allowing Doctors to write digital prescriptions assigned to a patient and Pharmacists to read the prescription of a particular patient. There will be three distinct user groups in this system (*Doctors, Pharmacists, and Patient*) each of which will have its own features and user interface.

The Doctors Group will have the following features:

- Allow Doctors to write Digital Prescriptions that are linked to a Patient ID.
- Allow Doctors to view and add to a Patients Electronic Medical Record (EMR).
- Allow Doctors to attach documents to a Patient's EMR. (*X-Rays, Cat Scans, etc.*)

The Pharmacist Group will have the following features:

- Allow Pharmacists to read Digital Prescriptions based on a Patient ID.
- Allow Pharmacists to see all medications a Patient is currently on. (*If a bad combination is found it can be flagged*)
- Allow Pharmacists to attach notes to a prescription.
- Send Automated Emails to Patients containing Medical Instructions about medications they have been prescribed (*also attach any Pharmacists notes*).

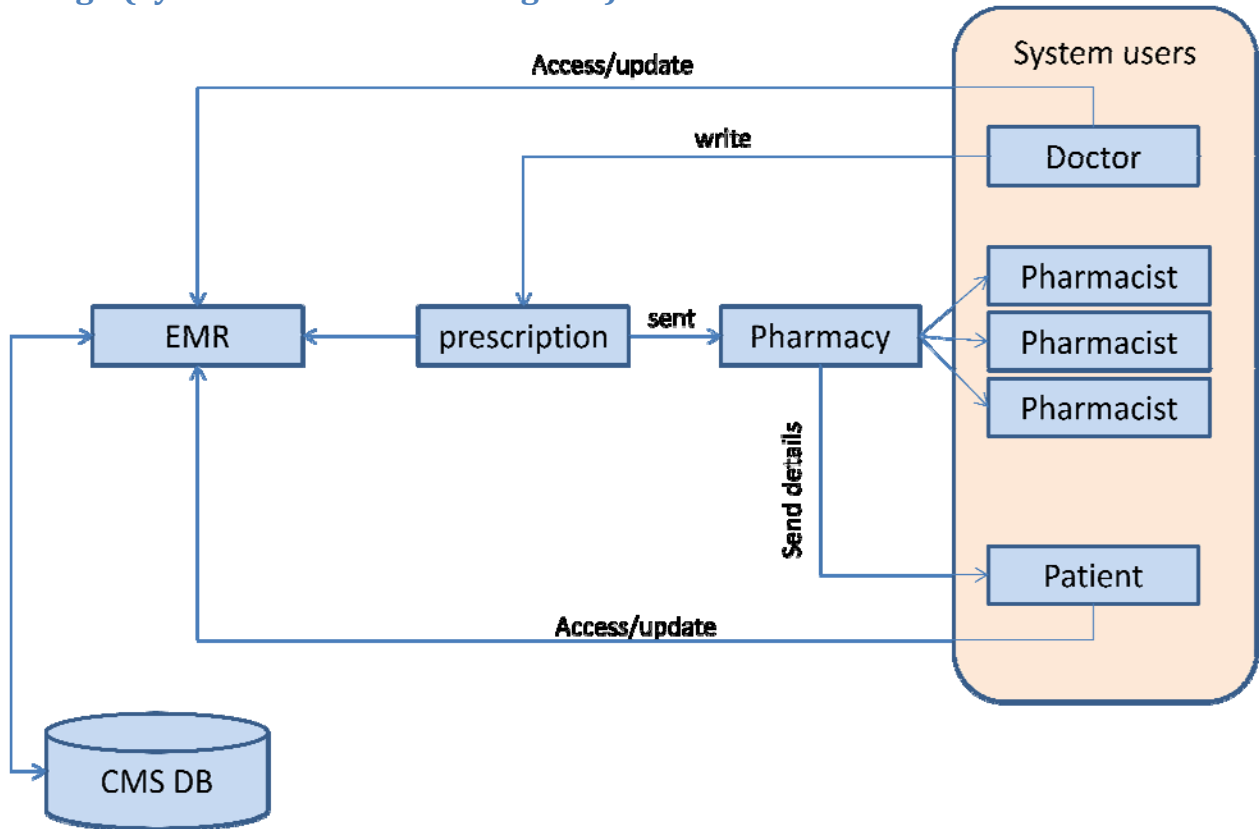
The Patient Group will have the following features:

- Allow Patients to update their personal information.
- Allow Patients to read and print their Electronic Medical Records (EMR).
- Allow Patients to access information about medications they've been prescribed.
- Allow Patients to give Doctors access to their Electronic Medical Records (EMR).

All three of these user groups would work in tandem via a database. Each user group should

have a different user layout to perform to meet that particular groups needs. We are using Joomla (*An Open Source Content Management System*) as a base this project, so we can worry less about small details such as login management and focus more on the core requirements of the system. As well as the Joomla CMS, we will be primarily writing the code using php, mysql, html, xml, and css languages.

### Design (System Architecture Diagram)



**System Architecture Diagram**

### Progress Summary

Module/ Feature	Completion %	To Do:
User Groups	95%	Work out bugs with in Joomla
Registration	90%	Have script run automatically to determine user types
User Log In	100%	None
User Front Ends	50%	Format designs / Joomla templates and fixes
Prescriptions	0%	Need to read write and Append with proper user rights
Communication	0%	Allow doctors, patients, and pharmacist to communicate through the application (primarily email)
Electronic Medical Records	0%	Build a Upload Section to add medical records to the database, Security and Right Protection needs to be added as well

Administration	80%	Need Admin features that are not provided with Joomla
Poster	0%	Make poster for the showcase
Video	0%	Make video displaying features of Med Scribe Pro
User Manual	0%	Develop a user manual

#### **Milestone 4 (Sept. 28)**

- CSS for User Front Ends
- Complete Prescription Functions
- Communications for Patient Medications

#### **Milestone 5 (Oct. 26)**

- Complete Communications
- Add necessary Admin Control to System
- Poster for Senior Design Showcase

#### **Milestone 6 (Nov. 30)**

- Test and Demo the Entire System
- Complete User Manual
- Create Demo Video

#### **Task Matrix (Milestone 4)**

<b>Task</b>	<b>Alijawaad</b>	<b>Josh</b>	<b>Mohammed</b>	<b>Sultan</b>
<b>CSS for User Front Ends</b>	50%	50%	0%	0%
<b>Complete Prescription Functions</b>	10%	10%	40%	40%
<b>Communications for Patient Prescriptions</b>	10%	10%	40%	40%

Approval from Faculty Sponsor

"I have discussed with the team and approve this project plan. I will evaluate the progress and assign a grade for each of the three milestones."

Signature: \_\_\_\_\_ Date: \_\_\_\_\_