

Problem Statement 1:

Patient Information System - An application that allows to create patient information, bulk import of patient information data from various file formats like .csv, .xml and .json, patient information listing with filtering, search, sorting and pagination capabilities. Should be able to edit / update /delete patient information. Also be able to export the patient information in various file formats like .csv, .xml and .json. Each patient will have many medical records as an image, a document, a scan report etc., Should be able to create those medical records in bulk for a patient from UI. Also, should be able to manage those medical records with listing, edit, update, delete and download capabilities.

Problem Statement 2:

Please create a Ruby gem to simulate all sort of ActiveRecord operations such as querying, creation, fetch, update and delete and use your gem in a Rails application that stores multimedia content like Image, Audio and Video. The application should have options to perform CRUD and download operations to manage the multimedia contents.

There is no need to publish the gem on rubygems.org.

Requirements:

Use the Ruby on Rails framework.

Your models must have defined with relationships

Your models must include reasonable validations for the simple attributes and should defend against invalid data.

Your application must use PostgreSQL database

Your application must have unit, controller and feature specs

Your application must provide standard user authentication, including signup, login, logout, and passwords.

Your authentication system must also allow login from some other service. Ex Gmail

You must include and make use of a nested resource with the appropriate RESTful URLs.

Your forms should correctly display validation errors.

Do not use scaffolding to build your project.

Use Design Patterns as needed.