

Description:

Patient Education Application is a web application built to be used by patients visiting a doctor's clinic. The application is meant to be accessed on smartphones and tablets. This application has been built using ASP.NET MVC 3 Framework, with a SQL Server 2008 backend, and involves NHibernate for database mappings. The client for this project specializes in providing enterprise health IT and point-of-care (POC) applications for patient care, education and research that are compatible with touch enabled mobile devices such as the iPad, iPhone, Android tablets and Smartphones.

Main features of the application:

- Microsoft ASP.NET MVC 3 Framework
- NHibernate
- Full Text Search using SQL Server 2008
- Various content types: Videos, Diagrams, Drugs, Conditions
- Support for multiple video formats, including mp4, swf, flv, youtube, vimeo etc
- Editing a diagram
- Facility of importing a doctor's content
- Creating and editing of content by doctors
- Options for printing and emailing content by patients

Technologies:

Microsoft ASP.NET MVC 3 Framework, NHibernate, SQL Server 2008

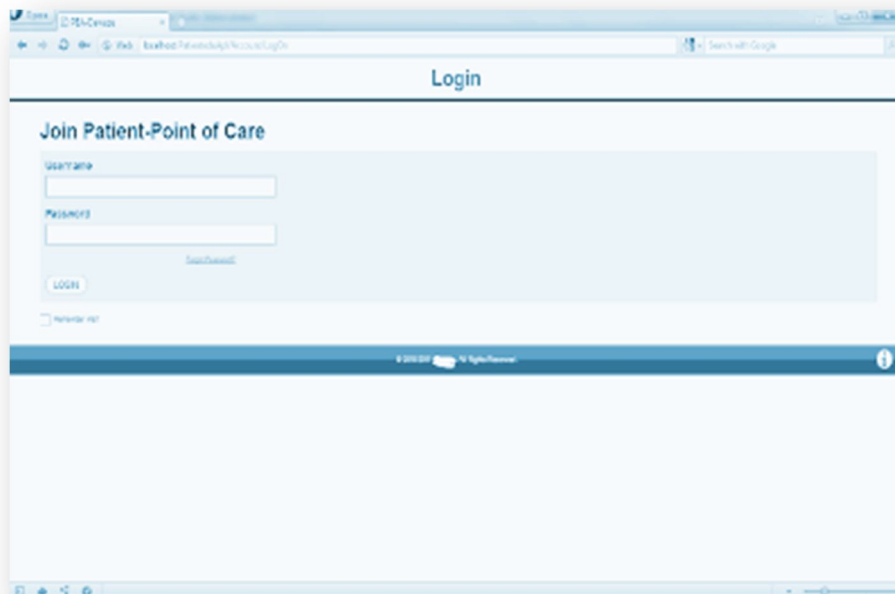
About our Client:

Client Name: Healthcare IT service provider | Location: USA | Industry: Healthcare

Screenshots:



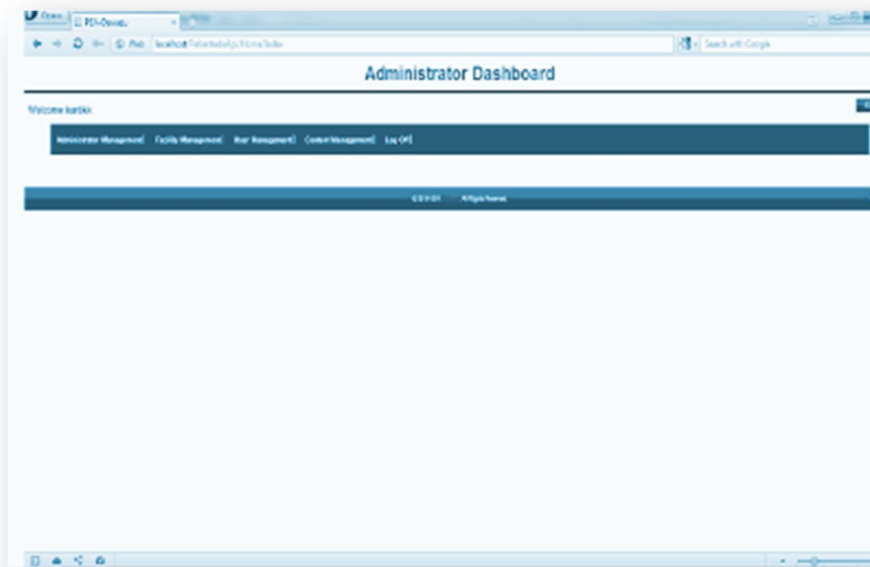
Screen 1: Home Screen



Screen 2: Login Screen



Screen 3: Multiple Login: This screen used by users who have multiple roles. They can choose the option they want to exercise.



Screen 4: Administrator Dashboard. The features allowed are

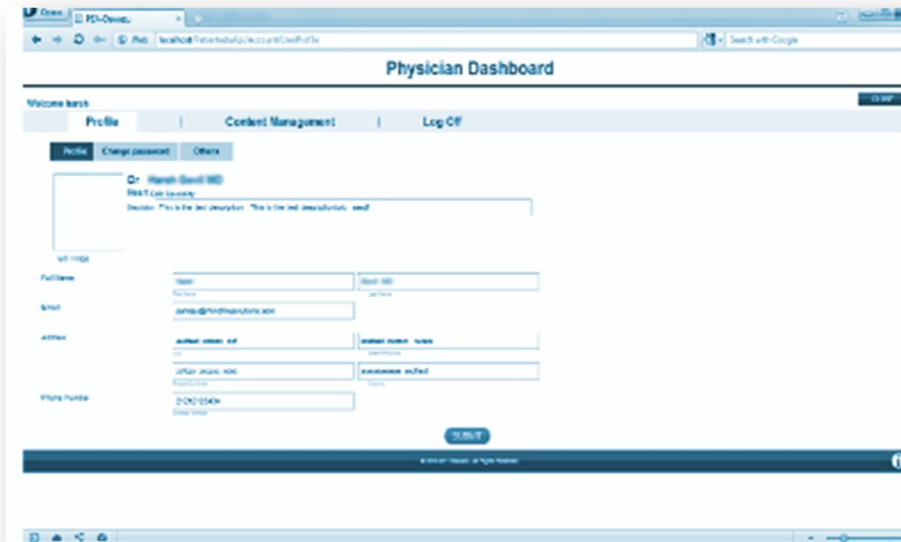
- Add/edit/delete facility
- Add/edit/delete content of any user/physician
- Add informed consent for the facility.
- Add/Edit/delete physician
- Assign role to users

The screenshot shows a web application titled "Patient Education" running on a PDA-Device. The interface includes a header with a "User Image" placeholder, a "Patient" icon, and a "Education" label. Below the header, there is a section for "Dr. Hannah Smith MD" with a "Read" button. The main content area lists four topics: "Tuberculosis", "Read about diseases and conditions", "Learn drug information for", and "Explore body diagrams". A "Sign in" button is located at the bottom right of the main content area. The app is running on a device with a status bar at the top showing "PDA-Device" and a search bar at the bottom.

The screenshot shows the Medscape website interface. At the top, there's a search bar with the text "Search with Google". Below the search bar, there's a navigation menu with "Patient" and "Education" tabs. The "Education" tab is selected, and a list of educational topics is displayed. The topics are: "Lumbar spine disorders", "Full spinal column Cervical spine", "Hip joint", "Vertebral fracture Lumbar spine", "Foot disorders", "Subsidence", "Spinal fracture", and "Spinal fusion". Each topic is accompanied by a small icon representing the anatomical area or condition.

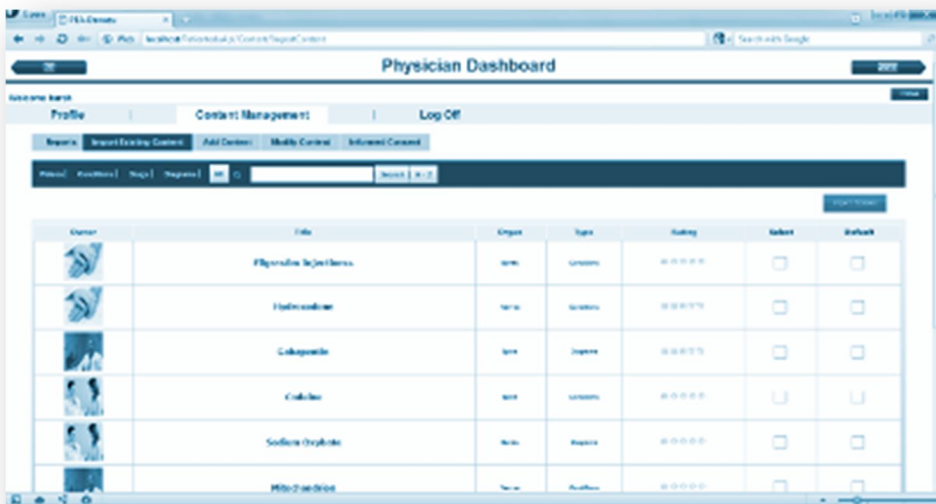
4 | Page

Option B: Log in as “Doctor/ Physician”









The screenshot shows the 'Physician Dashboard' with the 'Profile' tab selected. The page displays a form for editing the physician's profile. The form includes fields for Full Name, Email, Address, and Phone Number. There are also checkboxes for 'Is Active' and 'Is Verified'. A 'Save' button is at the bottom right of the form.

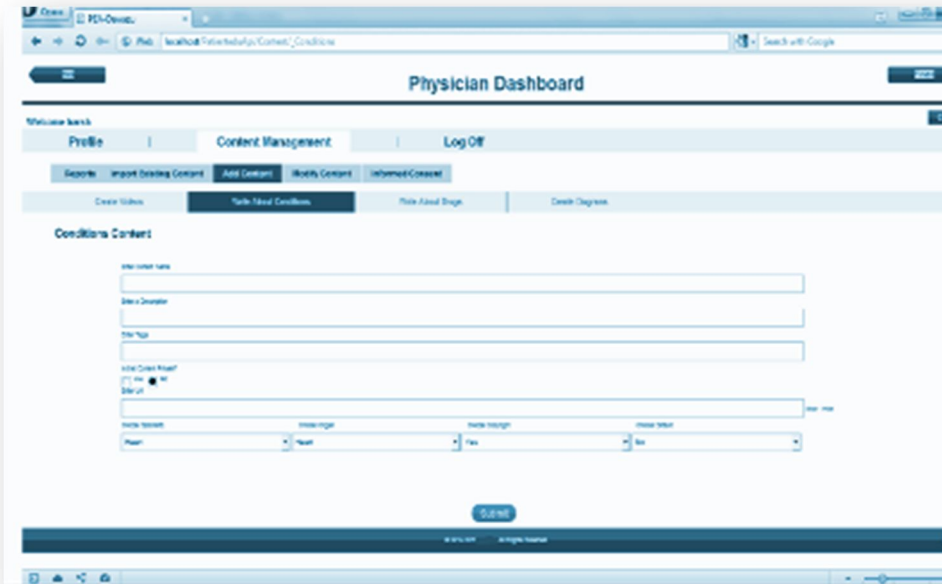
Screen 1B: Physician Profile



The screenshot shows the 'Physician Dashboard' with the 'Content Management' tab selected. The page displays a table of content items. The table has columns for Content, Title, Origin, Type, Rating, Status, and Actions. There are buttons for 'Import Existing Content', 'Add Content', 'Multi Content', and 'Import Content' at the top. A search bar is also present.

Content	Title	Origin	Type	Rating	Status	Actions
	Physician Subject Matter	Web	Document	4.0 (0.0)	<input type="checkbox"/>	<input type="checkbox"/>
	Physician Subject Matter	Web	Document	4.0 (0.0)	<input type="checkbox"/>	<input type="checkbox"/>
	Colicoposide	Web	Document	4.0 (0.0)	<input type="checkbox"/>	<input type="checkbox"/>
	Colicoposide	Web	Document	4.0 (0.0)	<input type="checkbox"/>	<input type="checkbox"/>
	Sodium Chloride	Web	Document	4.0 (0.0)	<input type="checkbox"/>	<input type="checkbox"/>
	Physician Subject Matter	Web	Document	4.0 (0.0)	<input type="checkbox"/>	<input type="checkbox"/>

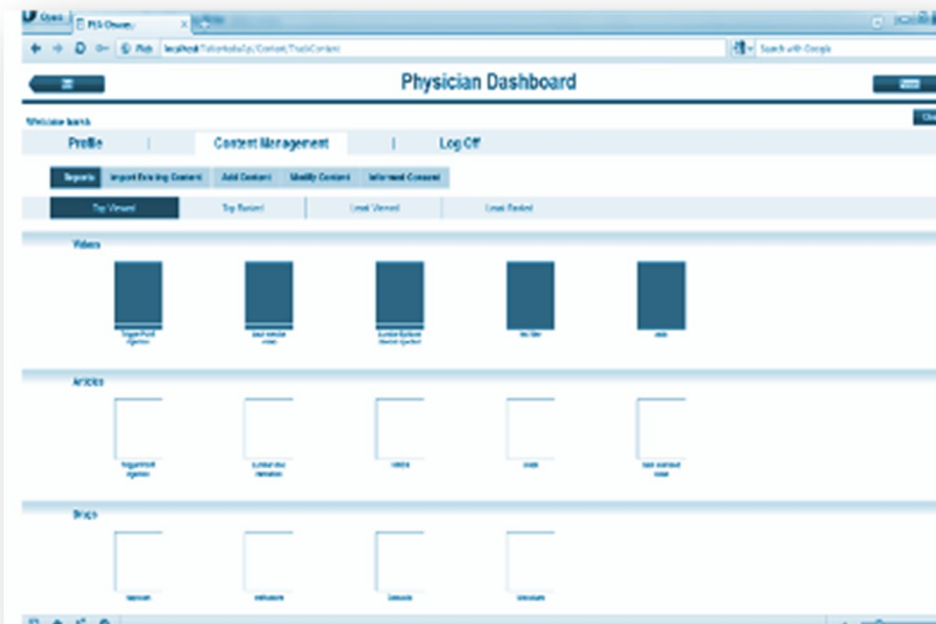
Screen 2B: Import Content



The screenshot shows the 'Physician Dashboard' with the 'Content Management' tab selected. Under 'Content Management', the 'Add Content' sub-tab is active. The form includes the following fields:

- Title: Text input field.
- Description: Text input field.
- URL: Text input field.
- Rich Text Editor: A large text area for detailed content.
- Category: A dropdown menu with 'Heart' selected.
- Status: A dropdown menu with 'New' selected.
- A 'Save' button at the bottom right of the form.

Screen 3B: Add Content Physicians can import content to their own list, Search, Print, Edit & Delete their own content. They can edit diagrams by putting the annotations in addition to viewing content of other physicians which are public.



The screenshot shows the 'Physician Dashboard' with the 'Content Management' tab selected. Under 'Content Management', the 'Reports' sub-tab is active. The page displays a grid of content items categorized into Videos, Articles, and Books. Each item has a thumbnail and a title.

Category	Item 1	Item 2	Item 3	Item 4	Item 5
Videos	Top View of the Heart	Heart Anatomy	Heart Anatomy (3D Model)	Heart Anatomy (3D Model)	Heart Anatomy (3D Model)
Articles	Top View of the Heart	Heart Anatomy	Heart Anatomy	Heart Anatomy	Heart Anatomy
Books	Top View of the Heart	Heart Anatomy	Heart Anatomy	Heart Anatomy	Heart Anatomy

Screen 4B: Report Screen