A Prototype Heart Disease Risk Assessment Tool for the OpenMRS System

		占 admin 🗸	Registrat	ion Desk 👻	Logout 🕞
	Search				
PATIENT INFORMATION					
Age of patient					
Sex of patient					
Chest pain type: 4 kinds					
Resting blood pressure					
Serum cholestrol					
Fasting blood sugar					
Resting electrocardiograph					
Maximum heart rate					
Exercise induced angina					
ST depression					
Slope of peak					
Number of major vessels					
Reversable defect					
Predict risk of Heart Disease					

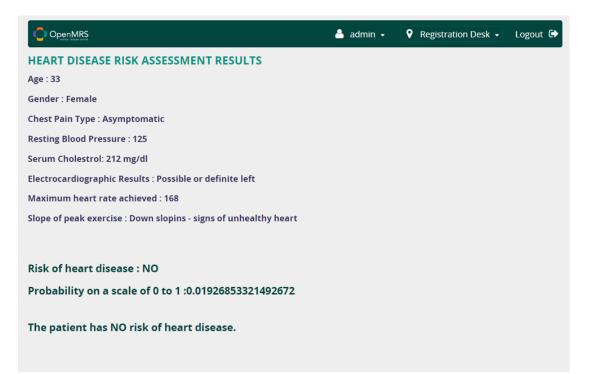
Step 1: The UI that the user logs in to

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Step 2: User can either search for a patient and fill the fields OR enter all the fields manually

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	Daniel			
	Search			
CLINICAL INFORMATION				
Daniel Cragg				
33				
1				
0				
125				
212				
0				
1				
168				
0				
1				
2				
2				
3			\$	

Step 3: All the fields are filled and Predict Risk of Heart Disease button is clicked



Step 4: Directs to a Results page that shows a summary of the patient details and the Result whether the person has a heart disease or not

In a case whether the person has a heart disease, it categorises the risk of heart disease into medium, high risk and very high risk and shows a numerical probability of it.

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HEART DISEASE RISK ASSESSMENT RESULTS				
Age : 37				
Gender : Female				
Chest Pain Type : Asymptomatic				
Resting Blood Pressure : 120				
Serum Cholestrol: 215 mg/dl				
Electrocardiographic Results : Possible or definite left				
Maximum heart rate achieved : 170				
Slope of peak exercise : Down slopins - signs of unhealthy heart				
Risk of heart disease : YES				
Intensity: VERY HIGH				
Probability on a scale of 0 to 1 :1.0				
The patient has VERY HIGH risk of heart disease.				