

## CRC Model

<b>User</b>	<b>(Doctor, Nurse, Patient)</b>
<b>Login</b>	

<b>Emergency Room</b>	
<ul style="list-style-type: none"> <li>• <b>List of patient's name</b></li> <li>• <b>Ordered patients' names by decreasing urgency level</b></li> <li>• <b>Ordered patient's names by arrival time</b></li> </ul>	Patient

<b>Doctor</b>	<b>(User)</b>
<b>View patients' information</b>	Patient

<b>Patient (User)</b>	
<ul style="list-style-type: none"> <li>• Name</li> <li>• Birthday</li> <li>• Health card number</li> <li>• Symptoms</li> <li>• Vital signs</li> <li>• Arrival Time</li> <li>• Seen doctor time</li> <li>• UrgencyLevel</li> </ul>	<ul style="list-style-type: none"> <li>• Vital sign</li> <li>• UrgencyLevel</li> <li>• Doctor</li> <li>• Time</li> </ul>

<b>VitalSign</b>	
<ul style="list-style-type: none"> <li>• <b>Temperature</b></li> <li>• <b>Blood pressure</b></li> <li>• <b>Heart rate</b></li> </ul>	

Nurse (User)	
<ul style="list-style-type: none"> <li>• Launch the triage application</li> <li>• Save data</li> <li>• Record personal patient data</li> <li>• Record and update a patient's vital signs</li> <li>• Record and update patient's symptoms</li> <li>• Record Date and time when a patient has been seen by a doctor</li> <li>• Look up a patient's record</li> <li>• Check non-seen the list of patient by urgency level(NotSeenUrgency) or arrival time(NotSeenArrival) in emergency room</li> </ul>	Patient <ul style="list-style-type: none"> <li>• VitalSign</li> <li>• Time</li> <li>• TriageApplication</li> <li>• UrgencyLevel</li> <li>• EmergencyRoom</li> </ul>

UrgencyLevel	
<ul style="list-style-type: none"> <li>• Urgent (3-4 points)</li> <li>• Less Urgent (2 points)</li> <li>• Non Urgent (1 point)</li> <li>• Report total urgency points</li> </ul>	HospitalPolicy

HospitalPolicy	
<ul style="list-style-type: none"> <li>• patient's age &lt; 2 years</li> <li>• Temperature &gt;= 39.0 degree Celsius</li> <li>• Blood pressure (measured in systolic/diastolic)               <ul style="list-style-type: none"> <li>➢ Systolic &gt;= 140 or diastolic &gt;= 90</li> </ul> </li> <li>• Heart rate &gt;= 100 or &lt;= 50</li> </ul>	Patient VitalSign

Time	
<ul style="list-style-type: none"> <li>• <b>Arrival time</b></li> <li>• <b>Recent update time for a patient's vital sign</b></li> <li>• <b>Seen doctor time</b></li> <li>• <b>Update a patient's symptom time</b></li> </ul>	

TriageApplication	
<ul style="list-style-type: none"> <li>• <b>Update time</b></li> <li>• <b>Record, update and save data</b></li> </ul>	<ul style="list-style-type: none"> <li>• Patient</li> <li>• Nurse</li> <li>• Time</li> </ul>

HealthLevel	
Compare a patient's health level base on his new and older data	Hospitalpolicy