

CRC Model

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| User | (Doctor, Nurse, Patient) |
| Login | |

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

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|-----------------------------------|---------------|
| Doctor | (User) |
| View patients' information | Patient |

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

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

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

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

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

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

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

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