**CS-243: Database Systems**

Project Title: **Hospital Management System (Emergency)**

Group No: **7**

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| **Group Information** | | |
| **Sr. No.** | **Name** | **Roll Number** |
| 1. | **Faizan Afzaal Ahmed** | **211400092** |
| 2. | **Atta Ahmad** | **211400063** |
| 3. | **Kashif Ali** | **211400065** |
| 4. | **Sameer Shamshad** | **211400068** |
| Section: **D** | | |

Submitted To: **Sir Athar Ikhlaq**

**Summary:**

A hospital management system is to provide services to the patients as they are brought in to the emergency. The admin shall admit the patient after getting the necessary details and inform the relevant docs to address the emergency. The doc addresses the patient needs depending upon the condition and may take one of the following steps:

(1) Provide relief and release the patient.

(2) Keep the patient in emergency if the case is bit serious.

(3) Attend the emergency and may have to take the patient to ICU.

(4) Needs some immediate surgery.

(5) Provided emergency services but could not save life. After any of these actions are taken, the patient is handed over the services bill and eventually relieved and discharged.

**Requirements:**

1. Admin shall be able to register patient (name, SSN, pat-no, age, gender, mob, medical-condition, seriousness-level, relevant-docs-assigned, ward-assigned, bed-assigned, police-case, pat-care-name, pat-care-mob).

2. Admin shall be able to call/send-message to docs to attend the patient, with time-stamp.

3. Admin shall be able to report to docs the medical-condition and its seriousness-level as observed.

4. Doc shall be able to file patient report (name, SSN, pat-no, age, gender, med-condition-before, med-cond-after, treatment-given, medicines-to-give, lab-test, go-home, transfer-to-ward, transfer-to-ICU, stay-in-emergency).

5. Admin shall be able to send patient report to pat-care (name, med-cond-after, medicines-to-give, lab-test-needed, go-home, transfer-to-ward, transfer-to-ICU, stay-in-emergency, hospital-bill, pay-by-date).

6. Admin shall be able to send general hospital-services fee to pat-care (room-charges, ward-charges, ICU-cost, surgeon-fee, theatre-fee, other-expenses).

7. Pat-care shall be able to see the patient-report (name, med-cond-after, medicines-to-give, lab-test-needed, go-home, transfer-to-ward, transfer-to-ICU, stay-in-emergency).

8. Admin shall be able to send complete bill (name, SSN, pat-no, age, gender, number-of-days-stay, charges, doc-fee, surgeon-fee, ICU-fee, medicines, lab-fee, food, others).

9. Admin shall be able to send discharge-sheet (name, SSN, pat-no, age, gender, medicines-to-give, re-visit-date).