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| **HealthSync System** | | | | |
| **Use Case Specification** | | | | |
| Use Case Id | UC1 | | | |
| User Case Name | Patient registration | | | |
| Actor(s) | Healthcare provider(Clerk, Nurse, and Doctor) | | | |
| Brief Description | This use case involves registering new patients into the system, collecting their demographic information, and recording their medical history. It allows healthcare providers to create a comprehensive patient profile. | | | |
| Frequency of use | As re quired | | | |
| Pre-conditions | 1. User (healthcare provider) is logged into the system. 2. Database connection is established. | | | |
| Main Flow of Events | Actor | | System | |
| * The healthcare provider logs into the patient management system using their credentials. * The healthcare provider selects the "Patient Registration" option from the dashboard. * The healthcare provider enters the patient's personal details such as name, date of birth, gender, address, and contact information. * The healthcare provider enters the patient's medical history, including any existing conditions, allergies, and previous treatments. * The healthcare provider reviews the entered information and confirms its accuracy. | | * The system presents the main dashboard. * The system displays a patient registration form. * The system validates the entered information and generates a unique patient ID. * Upon confirmation, the system stores the patient's information in the database and displays a success message. | |
| Alternative Flows of Events | * **Invalid Data Entry:** If the entered patient information is incomplete or contains errors, the system displays an error message and prompts the healthcare provider to correct the data before proceeding. * **Duplicate Patient:** If the system detects that a patient with similar demographic details already exists in the database, the healthcare provider is prompted with a warning. They can choose to proceed with registration, create a new entry, or update the existing patient's information. | | | |
| Impact on database  [Make sure that you provide information that matches your ERD] | [What will happen in the database for this UCN? Options available are to **read (R)** from a table, **create (C)** a new record in a table, **delete (D)** a record in a table, or **update (U)** a record in a table. In the format – [Table]{Action}  E.g. [Student]{R; U}, [Class]{R; C} | | | |
| Special Conditions (Uses or Extends) |  | | | |
| Created by | Cwenga Mpompo | Approved by | | Tyson Jule |
| Date | 11/08/2023 | Date | | 14/08/2023 |