# E-PRESCRIPTION COMPONENT

***UML Use Case diagram for E-Prescription:***

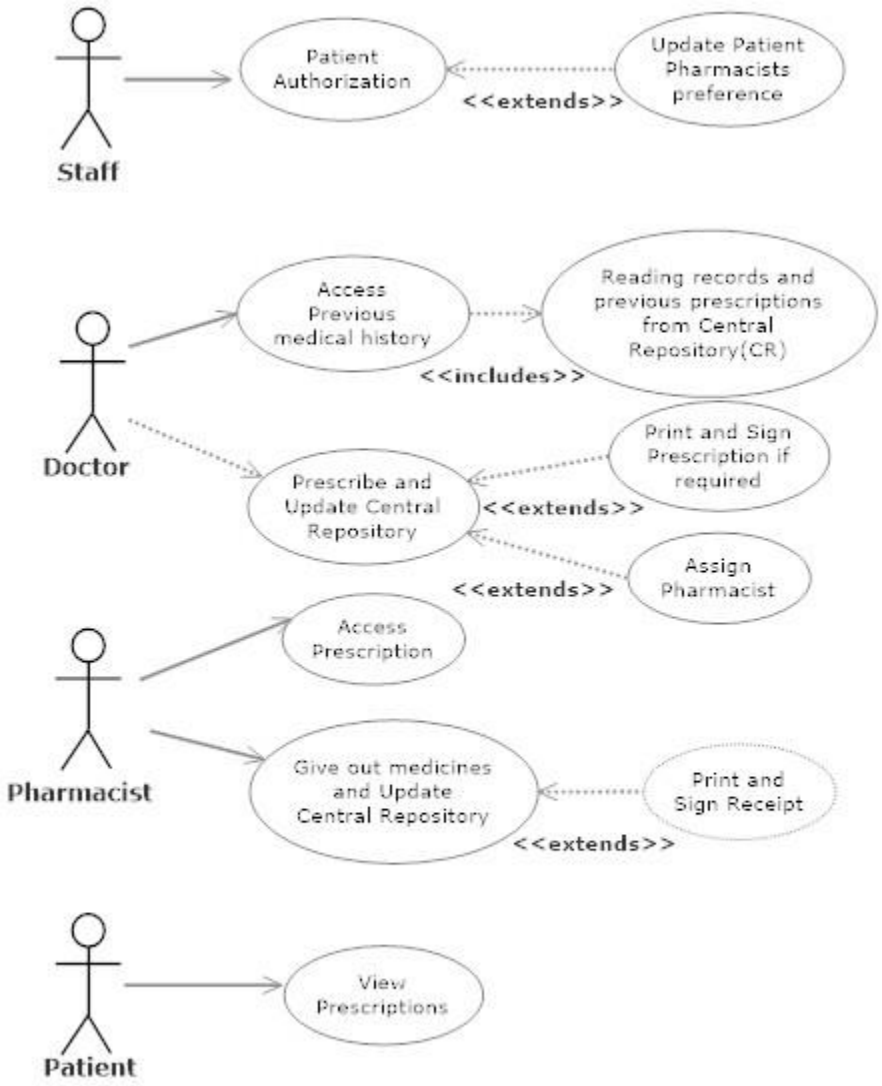


**Fig A. E-Prescription Process**

**Use Case A.1: Patient Authorization**

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| Use Case Name: Patient Authorization |
| Description: Verify whether the patient's record exists, and update pharmacist preferences of the patient. |
| Actors: Staff |
| Triggers: A record for a new patient is added, existing patients' records are verified and updated |
| Preconditions: Staff authorization information is available to the system |

**Use Case A.2: Access Previous Medical History**

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| Use Case Name: Access Previous Medical History |
| Description: Search and locate the Patient record using MCP |
| Actors: Doctor |
| Triggers: Patient record is displayed |
| Preconditions: 1. The patient's record is present in the system<br>2. Doctor is an authenticated user.<br>3. Application connected to the central repository |

**Use Case A.3: Prescribe and update Central Repository**

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| Use Case Name: Prescribe and update Central Repository |
| Description: Prescribe medicines and update medical records in the central repository, notify the pharmacist, if needed, print the prescription |
| Actors: Doctor |
| Triggers: Central Repository is updated, the pharmacist is notified |
| Precondition: 1. Application connected to the central repository<br>2. Pharmacist is registered with the central repository |

**Use Case A.4: Access Prescription and Provide medicines**

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| Use Case Name: Access Prescription and Provide medicines |
| Description: Access prescription from the repository, provide medicines and update the repository, give a receipt to the patient |
| Actors: Pharmacist |
| Triggers: Central Repository is updated after medicines are provided |
| Precondition: 1. Application connected to the central repository<br>2. Medicines are available to the pharmacist |

**Use Case A.4: View Prescription**

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| Use Case Name: View Prescription |
| Description: Patient can view the prescription |
| Actors: Patient |
| Triggers: Prescription is displayed |
| Precondition: 1. Prescription information is available in the central repository<br>2. Application is connected to the central repository |