Product Requirements Document

Project Name: TeleRx Prescription Service
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1.0 Introduction
The TeleRx service is a web-based platform that enables doctors to conduct remote consultations and electronically prescribe medications.

2.0 Problem Statement
Current prescription services are often manual, inefficient, and prone to errors. TeleRx aims to provide a secure, streamlined digital workflow that improves accuracy and saves time for both doctors and patients.

3.0 Features & Requirements
* **REQ-020: Doctor Dashboard:** The system shall provide a dashboard for doctors to manage virtual appointments and patient queues.
* **REQ-021: Electronic Prescription Module:** The system shall provide an interface for doctors to create, edit, and electronically send prescriptions to pharmacies.
* **REQ-022: User Authentication:** All users, including doctors and pharmacists, must log in using a two-factor authentication process.
* **REQ-023: Prescription Security:** The system shall ensure that once a prescription is electronically signed, it cannot be altered by any party.

4.0 Acceptance Criteria
* The two-factor authentication login process must be fully operational.
* A test prescription can be created, signed, and sent to a mock pharmacy system without errors.
* An attempt to alter a signed prescription must be flagged and rejected by the system.

5.0 Compliance Standards
The service must comply with the following regulatory frameworks.

* **FDA 21 CFR Part 11:** For all electronic records and signatures.
* **HIPAA:** For the secure handling of all patient health information (PHI).
* **ISO 9001:** For ensuring a quality management system throughout the software development process.

6.0 Technical Considerations
* The front-end will be built using a modern JavaScript framework.
* The back-end will use a secure API to handle data.

7.0 Key Performance Indicators (KPIs)
* 95% of prescriptions are sent digitally.
* Average consultation time is reduced by 20%.