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Project Name: Digital Immunization Card.

Expanded Use Case For use case with highest priority

Use Case Name: Creating a New Immunization Record
Priority: High
Primary Actor: User
Other Participating Actor: MOH Staff, MOH Database

Description: This use case describes the event of a user creating a "Card"/ Immunization Record for a specific individual. The user submits the name, date of birth and identifying documents i.e. scans of national identification cards, driver's permits, passports or in the case of babies birth certificates to the app which forwards the information to the Ministry of Health to be verified by their staff. Once the information is verified successfully a record is created with the verified information and a notification is sent to the user to acknowledge whether or not the creation of the record was a success.

Typical Course of Events

Actor Action:
1. The user logs in to the app and requests to add a new immunization record to their account.
2. The user submits the name, date of birth and scans of identifying documents of the individual of whom they want a record to be created.

System Action:
1. Upon request, the system displays a registration form for the user to create a new record/card.
2. The system sends the information uploaded by the user to the Ministry of Health where an appropriate staff member confirms the information and sends a verification status to the app's system.
3. The system creates a new record/card with the verified information along with a unique id (to generate a qr code) and sends the information to be stored in the MOHs database.
4. Once the record is created, the system generates a message that is sent to the user that indicates the successful creation of the record.

Alternative Courses:

1. A user has not submitted clear/identifiable scans of documents. The user is notified of the issue and is urged to resubmit the documents.
2. A user tries to create a record for an already existing individual. The user is notified that a record for the individual already exists.
3. A user submits documents which are expired (e.g. expired NID). The user is notified that the information cannot be used and is urged to reapply with updated documents.

Conclusion: The use case concludes when a user receives confirmation that the record/card was either denied or added to their account.

Post Condition: The system keeps track of IDs created to ensure no two records have the same ID.

Implementation Constraints and Specification:

1. The app would need to be functional for both Apple and Android mobile devices.
2. For Apple devices, the app would require iOS 13 and above.
3. For Android devices, the app would require Android 10 and above.

Assumptions:

1. The user has access to a scanner.
2. The user has access to the Internet.
3. The user is a Trinidad and Tobago national.

Open Issues:

1. The creation of a new record using stolen identification, ie. user fraud.

Business Rules:

1. The database will only allow for one digital immunization record entry for a user (eg. John Smith). However, John Smith is allowed to have copies of his digital immunization record on up to 3 mobile devices.