**PROJ-309-SDD - CAPSTONE**

Islamic Will Application

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## **Islamic Will App Use Case Diagram**

A screenshot of a computer

AI-generated content may be incorrect.

## **Islamic Will App Use Case Descriptions**

**Use Case 1: Sign In / Sign Up**

**Actors**: Client

**Description**: Allows users to securely access the app either by creating a new account or logging in to an existing one using email/password or Google

**Preconditions**: App is installed. The client has not yet logged in.

**Basic Flow**:

1. User selects "Sign Up" or "Sign In"
2. Provides email/password or uses Google sign-in.
3. System validates credentials.
4. The system validates input (including Validate Input).
5. User is authenticated and redirected to the dashboard.

**Postconditions**: Authentication session is active.

**Exceptions**: Invalid Credentials, email already registered, third-party auth failure.

**Use Case 2: Create / Edit Profile**

**Actors**: Client

**Description**: Enables users to input or modify their personal and religious details, which are essential for accurate Will generation.

**Preconditions**: Client is signed in.

**Basic Flow**:

1. User navigates to their profile settings.
2. Inputs or updates demographic information: name, country, school of thought, marital status.
3. Saves changes to the profile.

**Postconditions**: Profile saved to backend.

**Exceptions**: Validation failure, connectivity issues.

**Use Case 3: Create Will**

**Actors**: Client

**Description**: Facilitates the structured input of personal, family, and asset data through a guided questionnaire to generate a Shariah-compliant Will.

**Preconditions**: Profile completed.

**Basic Flow**:

1. Client initiates the creation of a new will.
2. The app displays a step-by-step guided questionnaire.
3. The client provides family structure, assets, debts, and optional bequests.
4. Inheritance engine processes data and calculates shares

**Postconditions**: Draft Will is generated and saved.

**Exceptions**: Incomplete questionnaire, rule mismatch, logic errors.

**Use Case 4: View / Edit / Archive Will**

**Actors**: Client

**Description**: Allows users to review, update, or archive previously created Wills for personal record or revision.

**Preconditions**: Client has at least one existing Will.

**Basic Flow**:

1. The client accesses the dashboard.
2. The client selects a Will to view or edit.
3. Optionally archives a Will, rendering it inactive.

**Postconditions**: Will viewed, updated or archived.

**Exceptions**: File not found, sync or I/O issue.

**Use Case 5: Nominate Executor**

**Actors**: Client

**Description**: Let users assign a responsible person to carry out the terms of the Will after their death.

**Preconditions**: A draft or completed Will exists.

**Basic Flow**:

1. Client loads and opens a Will.
2. Selects “Nominate Executor”.
3. Input the executor's name and contact information.
4. The nomination information is saved.

**Postconditions**: Executor information saved.

**Exceptions**: Missing fields, Invalid formatting.

**Use Case 6: Share Will via Email**

**Actors**: Client

**Description**: Enables users to send their generated Will to a specified email recipient securely.

**Preconditions**: A completed or saved Will exists.

**Basic Flow**:

1. Client selects “Share via Email.”
2. Client enters the recipient's email address.
3. The system attaches Will and sends an email.

**Postconditions**: Email successfully sent to recipient.

**Exceptions**: Invalid email, send failure, mail server issues

**Use Case 7: Generate and Export Will**

**Actors**: Client

**Description**: Converts the completed Will into a downloadable and printable PDF document formatted for legal use.

**Preconditions**: The draft will be complete and validated.

**Basic Flow**:

1. Client selects “Download PDF”.
2. System formats will content into the structured legal layout.
3. The PDF file is generated and offered for download.

**Postconditions**: Will is saved and/or exported as a PDF.

**Exceptions**: PDF rendering failure, formatting issues.

**Use Case 8: View Country-Specific Legal Guidance**

**Actors**: Client

**Description**: Displays localized legal information such as notarization or witness requirements based on the user’s jurisdiction.

**Preconditions**: Client’s profile includes a selected country.

**Basic Flow**:

1. Client selects "Legal Guidance".
2. The app displays country-specific instructions (e.g. notarization, witnesses, etc.).

**Postconditions**: Client is informed of relevant legal information.

**Exceptions**: Legal guidance is not available for the selected country.

**Use Case 9: Delete Will**

**Actors**: Client

**Description**: Permits users to permanently remove or soft delete Wills they no longer wish to keep.

**Preconditions**: Existing Will entry.

**Basic Flow**:

1. Client selects a Will to delete
2. Confirm deletion.
3. System removes Will or marks it as deleted (soft delete).

**Postconditions**: Will deleted or hidden.

**Exceptions**: I/O, sync or permission issues.

**Use Case 10: Request Scholar / Legal Review (Planned Feature)**

**Actors**: Client

**Description**: Allows users to submit their Will for expert review to ensure Shariah and/or legal compliance. This is a premium feature.

**Preconditions**: A completed Will exists.

**Basic Flow**:

1. Client selects “Request Review.”
2. Will is submitted to the review queue.
3. Reviewer is notified.

**Postconditions**: Review status is tracked.

**Exceptions**: Submission failure.

**Use Case 11: Manage Will Questionnaire Parameters**

**Actors**: Admin

**Description**: Allows admins to configure, update, and version the questions presented in the Will creation flow.

**Preconditions**: Admin logged in.

**Basic Flow**:

1. Admin logs into the admin panel.
2. Admin adds, edits, or deletes questionnaire sections or logic.
3. Optionally manage the versioning of the questionnaire.

**Postconditions**: An updated question set is available for new Wills.

**Exceptions**: Rule conflict, update failure.

**Use Case 12: Review and Approve Will**

**Actors**: Law Firm

**Description**: Enables law firm representatives to validate Will’s content and structure, providing approval or legal feedback.

**Preconditions**: Will submitted for review.

**Basic Flow**:

1. Reviewer accesses the assigned Will.
2. Reviews content and logic.
3. Provides feedback or marks as approved.

**Postconditions**: Will is approved or flagged.

**Exceptions**: Reviewer unavailable, legal issues found