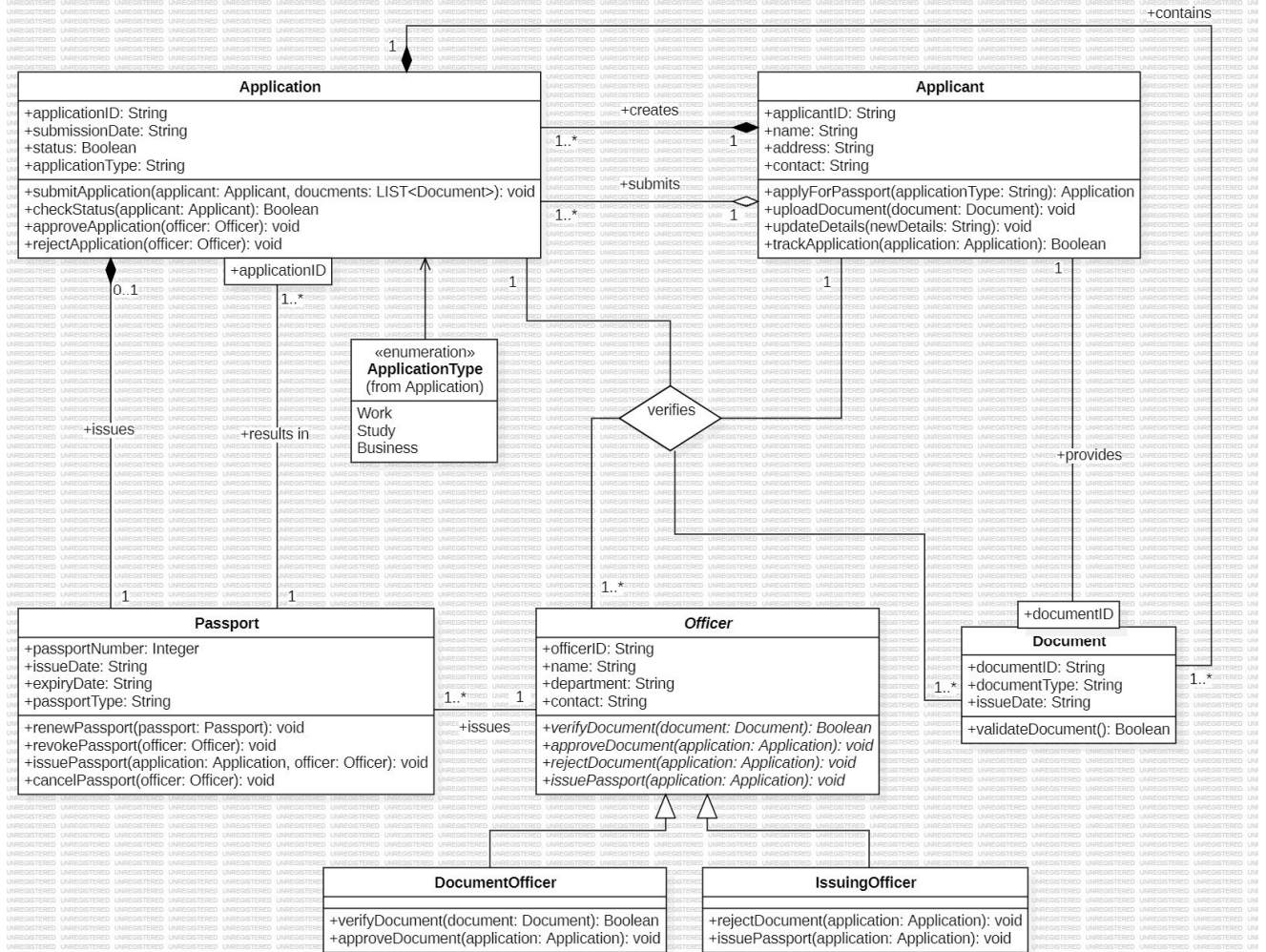


PASSPORT AUTOMATION SYSTEM

UML DIAGRAMS

CLASS DIAGRAM

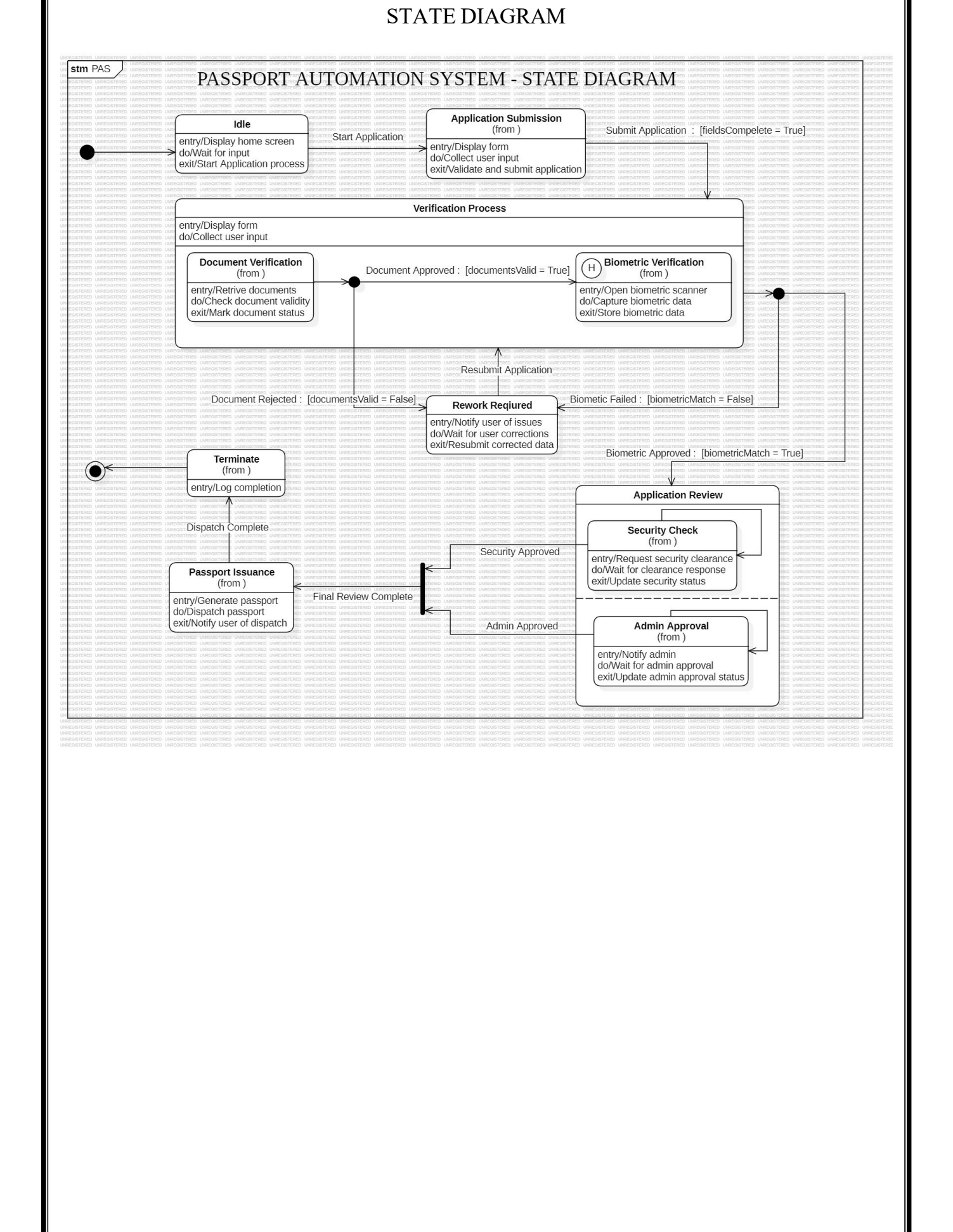
PASSPORT AUTOMATION SYSTEM - CLASS DIAGRAM



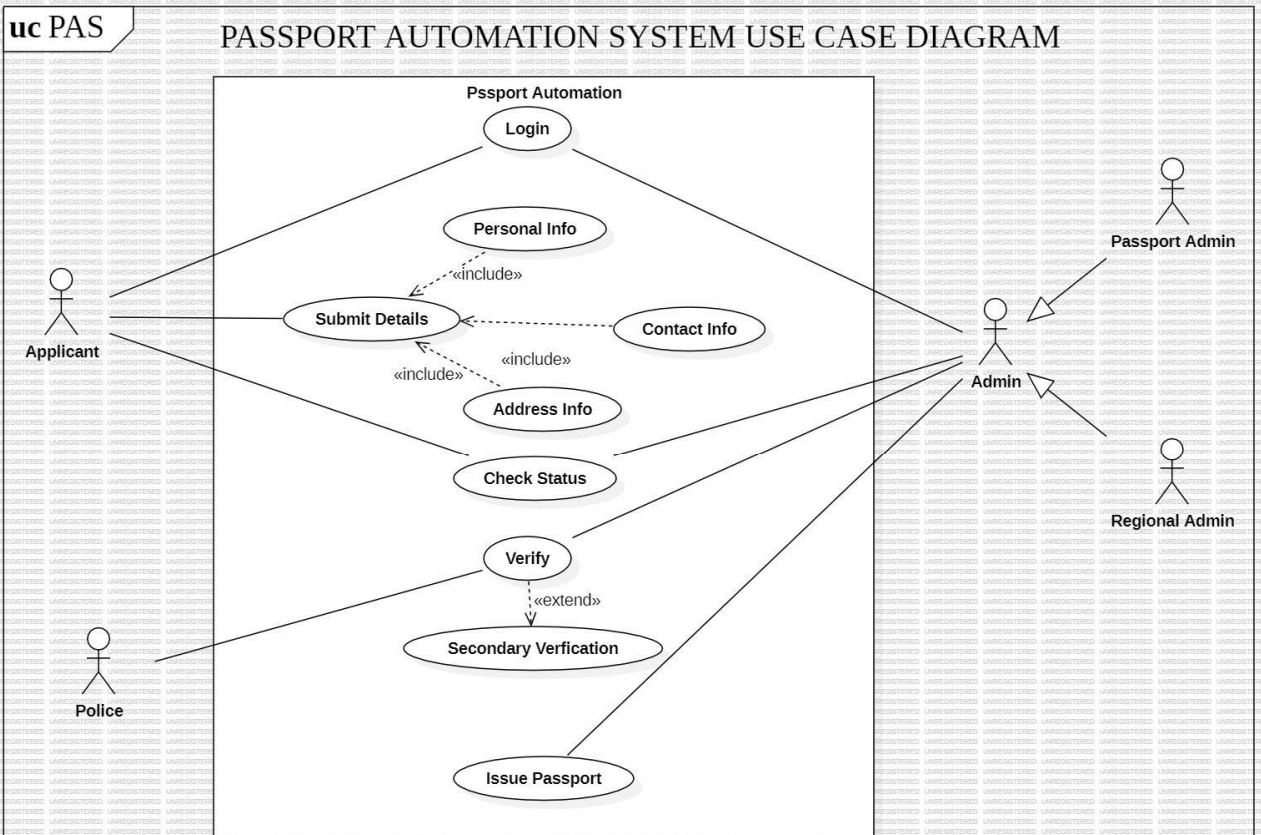
STATE DIAGRAM

```
stateDiagram-v2
    [*] --> Idle
    state Idle {
        entry/Display home screen
        do/Wait for input
        exit/Start Application process
    }
    Idle --> ApplicationSubmission : Start Application
    state ApplicationSubmission {
        entry/Display form
        do/Collect user input
        exit/Validate and submit application
    }
    ApplicationSubmission --> VerificationProcess : Submit Application : [fieldsComplete = True]
    state VerificationProcess {
        entry/Display form
        do/Collect user input
        state DocumentVerification {
            entry/Retrieve documents
            do/Check document validity
            exit/Mark document status
        }
        state BiometricVerification {
            entry/Open biometric scanner
            do/Capture biometric data
            exit/Store biometric data
        }
        state ReworkRequired {
            entry/Notify user of issues
            do/Wait for user corrections
            exit/Resubmit corrected data
        }
        state ResubmitApplication {
            entry/Display form
            do/Collect user input
            exit/Validate and submit application
        }
        state DocumentRejected {
            entry/Display form
            do/Collect user input
        }
        state BiometricFailed {
            entry/Display form
            do/Collect user input
        }
        state BiometricApproved {
            entry/Display form
            do/Collect user input
        }
        state SecurityCheck {
            entry/Request security clearance
            do/Wait for clearance response
            exit/Update security status
        }
        state AdminApproval {
            entry/Notify admin
            do/Wait for admin approval
            exit/Update admin approval status
        }
        state FinalReviewComplete {
            entry/Display form
            do/Collect user input
        }
        state PassportIssuance {
            entry/Generate passport
            do/Dispatch passport
            exit/Notify user of dispatch
        }
        state Terminate {
            entry/Log completion
        }
        DocumentVerification --> DocumentApproved : Document Approved : [documentsValid = True]
        DocumentVerification --> DocumentRejected : Document Rejected : [documentsValid = False]
        BiometricVerification --> BiometricFailed : Biometric Failed : [biometricMatch = False]
        BiometricVerification --> BiometricApproved : Biometric Approved : [biometricMatch = True]
        DocumentRejected --> ResubmitApplication : Resubmit Application
        BiometricFailed --> ReworkRequired : Rework Required
        ReworkRequired --> ApplicationSubmission : Resubmit Application
        BiometricApproved --> SecurityCheck : Security Check
        SecurityCheck --> AdminApproval : Admin Approval
        AdminApproval --> FinalReviewComplete : Final Review Complete
        FinalReviewComplete --> PassportIssuance : Passport Issuance
        PassportIssuance --> Terminate : Terminate
    }
    ApplicationSubmission --> ApplicationSubmission : Resubmit Application
```

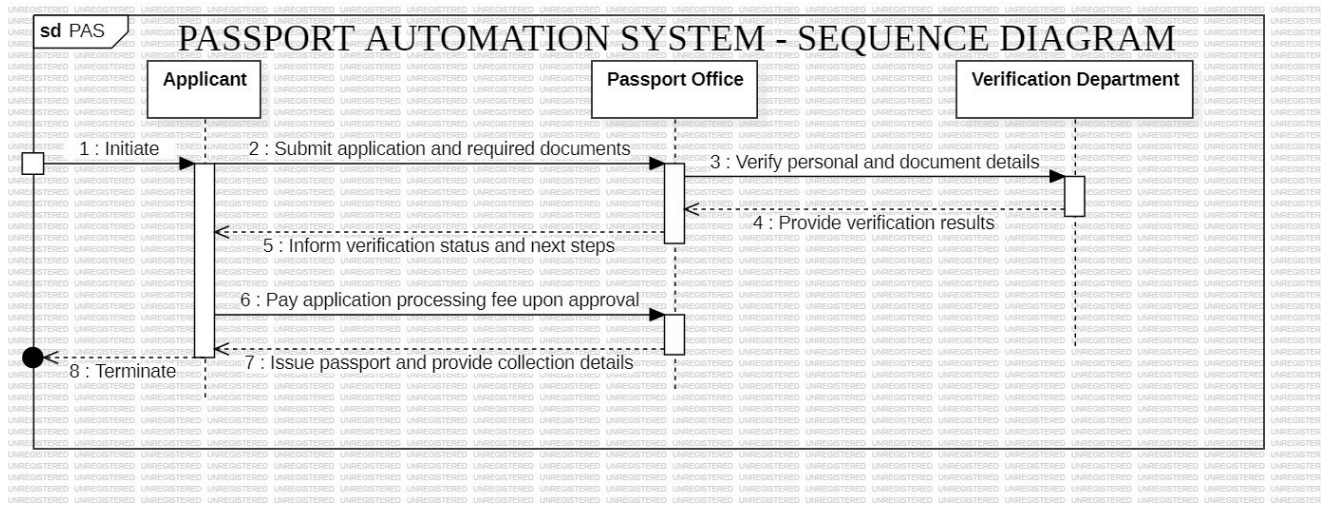
The diagram illustrates the state transitions for the Passport Automation System (stm PAS). It begins with an initial state leading to the **Idle** state, where the user can start an application. The process moves through **Application Submission** to the **Verification Process**. Within verification, documents are checked, and biometric data is captured. If documents are rejected or biometric data fails, the user is notified and can resubmit. If biometric data is approved, a security check is performed, followed by admin approval. Once all checks are complete, the passport is issued, and the system terminates.



USE CASE DIAGRAM



SEQUENCE DIAGRAM



ACTIVITY DIAGRAM

PASSPORT AUTOMATION SYSTEM - ACTIVITY DIAGRAM

