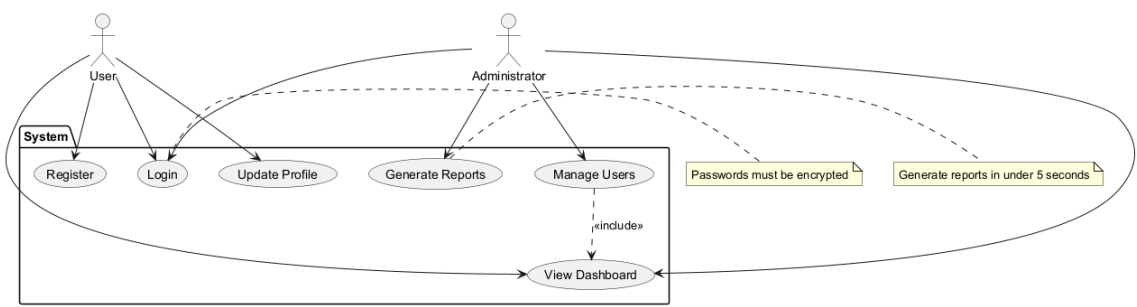


Requirements Model

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Requirements Model

Use Case Diagram



PlantUML Code

```
@startuml
' Define all actors first

actor "User" as Actor_User

actor "Administrator" as Actor_Admin

' Define system boundary using package

package "System" {

    usecase "Login" as UC_Login

    usecase "Register" as UC_Register

    usecase "View Dashboard" as UC_ViewDashboard

    usecase "Update Profile" as UC_UpdateProfile

    usecase "Manage Users" as UC_ManageUsers

    usecase "Generate Reports" as UC_GenerateReports

}

Actor_User --> UC_Register
Actor_User --> UC_Login
Actor_User --> UC_UpdateProfile
Actor_Admin -.-> UC_GenerateReports
Actor_Admin -.-> UC_ManageUsers
UC_ManageUsers -.-> UC_ViewDashboard
UC_Register -.-> UC_ViewDashboard
UC_Login -.-> UC_ViewDashboard
UC_UpdateProfile -.-> UC_ViewDashboard
UC_GenerateReports -.-> UC_ViewDashboard
```

```
' Define relationships
```

```
Actor_User --> UC_Login
```

```
Actor_User --> UC_Register
```

```
Actor_User --> UC_ViewDashboard
```

```
Actor_User --> UC_UpdateProfile
```

```
Actor_Admin --> UC_Login
```

```
Actor_Admin --> UC_ViewDashboard
```

```
Actor_Admin --> UC_ManageUsers
```

```
Actor_Admin --> UC_GenerateReports
```

```
' Add include/extend if needed
```

```
UC_ManageUsers ..> UC_ViewDashboard : <<include>>
```

```
' Add notes for non-functional requirements
```

```
note right of UC_Login : Passwords must be encrypted
```

```
note right of UC_GenerateReports : Generate reports in under 5 seconds
```

```
@enduml
```