

## Cricket Management System - Class Diagram

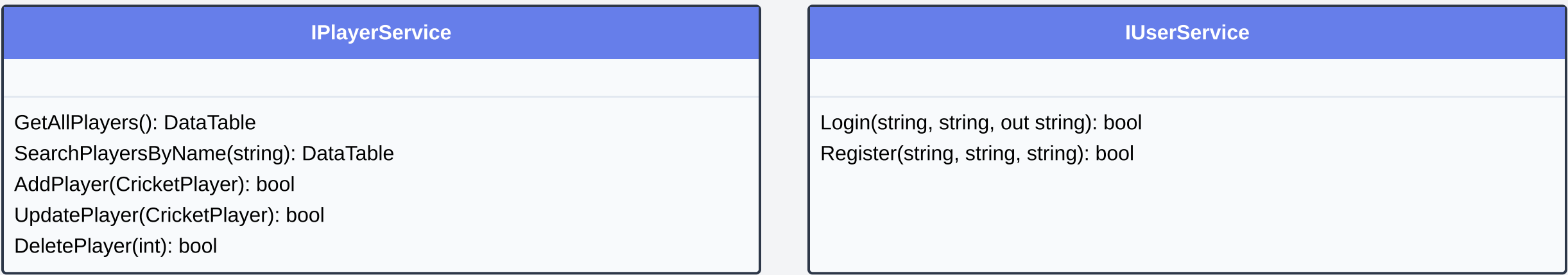
### Diagram Legend



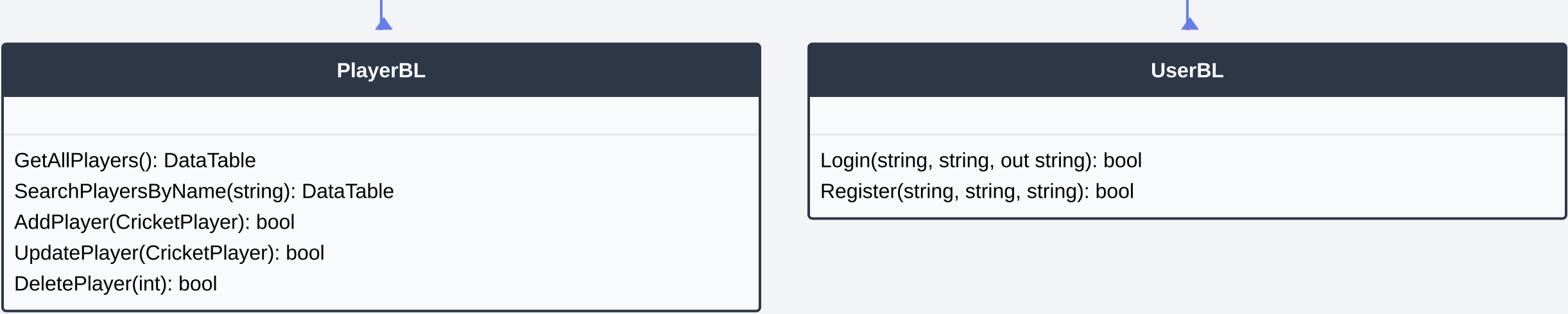
## Model/Entity Classes



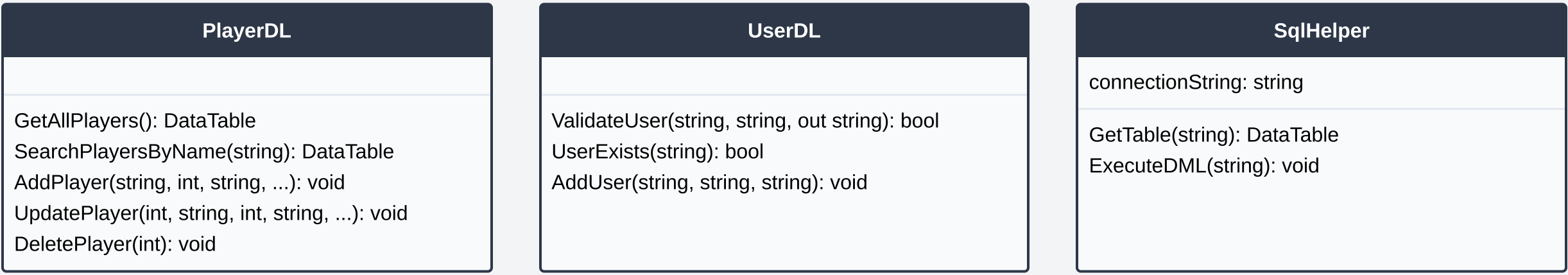
## Interfaces



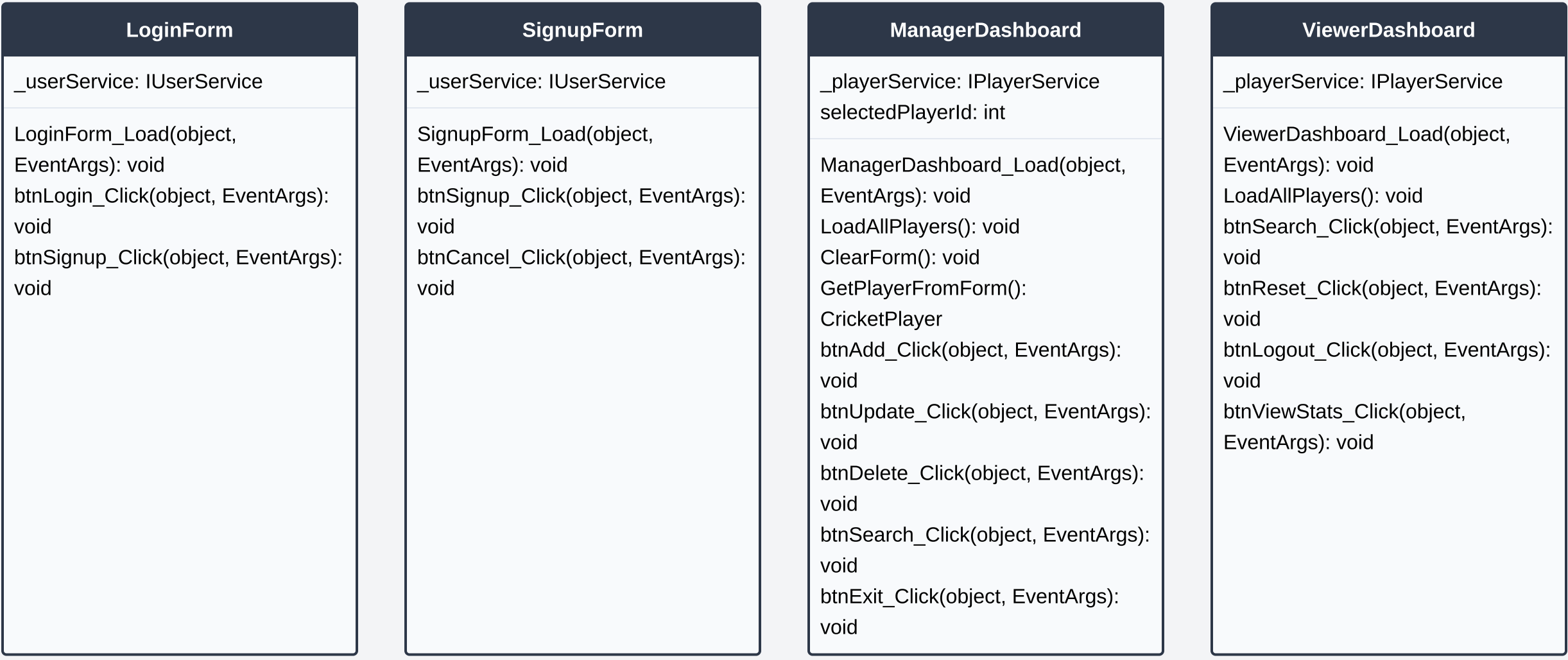
## Business Logic (BL) Classes



## Data Layer (DL) Classes



## UI Classes



## Class Relationships

## Inheritance Relationships

- Batsman ← CricketPlayer (Batsman inherits from CricketPlayer)
- Bowler ← CricketPlayer (Bowler inherits from CricketPlayer)
- AllRounder ← CricketPlayer (AllRounder inherits from CricketPlayer)

## Implementation Relationships

- `PlayerBL`  $\Rightarrow$  `IPlayerService` (`PlayerBL` implements `IPlayerService`)
- `UserBL`  $\Rightarrow$  `IUserService` (`UserBL` implements `IUserService`)

## Association Relationships

- PlayerBL → PlayerDL (PlayerBL uses PlayerDL)
- UserBL → UserDL (UserBL uses UserDL)
- PlayerDL → SqlHelper (PlayerDL uses SqlHelper)
- UserDL → SqlHelper (UserDL uses SqlHelper)
- LoginForm → IUserService (LoginForm uses IUserService)
- SignupForm → IUserService (SignupForm uses IUserService)
- ManagerDashboard → IPlayerService (ManagerDashboard uses IPlayerService)
- ViewerDashboard → IPlayerService (ViewerDashboard uses IPlayerService)