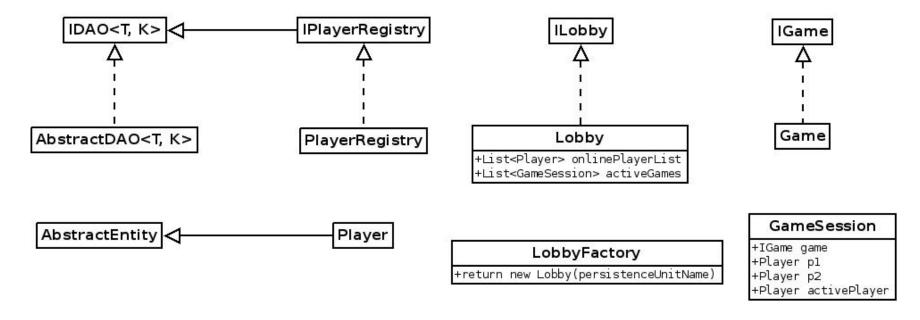
WebTicTacToe

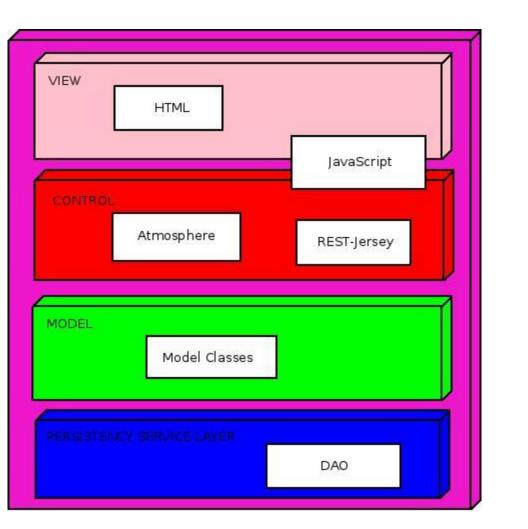
Online, Realtime Multiplayer Tic-Tac-Toe

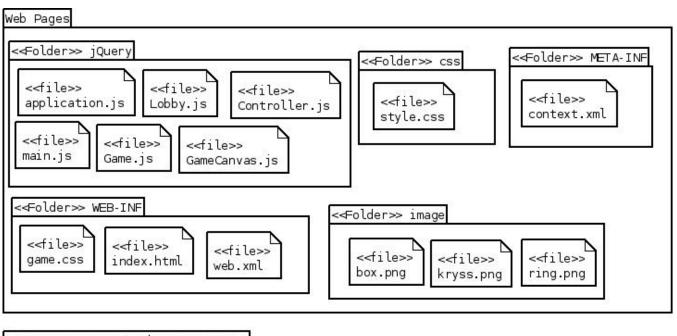
Background

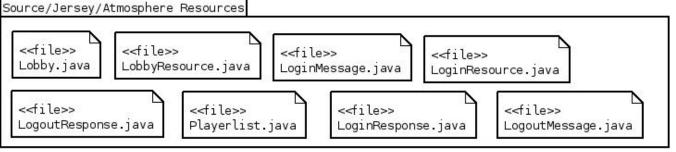
- Real Time
- Game
- Basic
- Tools

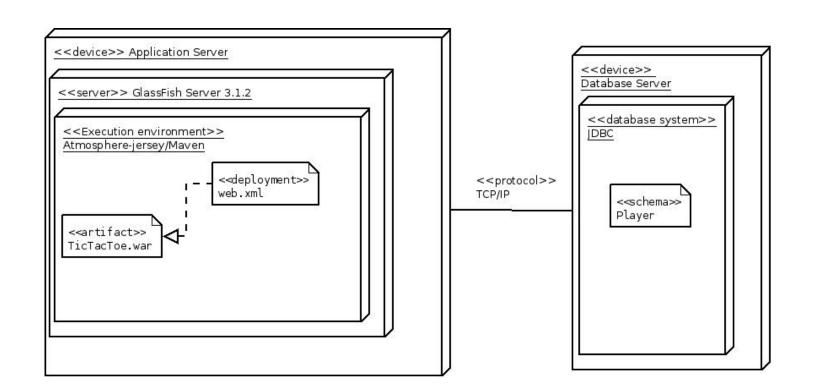
MODEL











Atmosphere / Jersey

```
@POST
@Consumes("application/json")
@Produces("application/json")
@Path("/{id}")
public Response broadcastGamestate(@PathParam(value = "id") Broadcaster
id, GameMessage gameMessage) {
    GameSession gameSession = gameSessionMap.get(id.getID());
```

Broadcaster

```
// Try to make a move to the given position with the given player.
Boolean successfulMove = gameSessior.move(gameMessage.xPos, gameMessage.yPos, givenPlayer);
// If the move is successful, we convert the new gameboard to a response-friendly format.
if (successfulMove) {
   // Broadcast the name of the active player, the state of the board and, if available, the name of the
winner.
   if (gameSessior.getWinner() == null) {
        ic.broadcast (new GameResponse (gameSessior.getActivePlayer().getName(), gameSessior.getBoard(),
"Undecided"));
    } else {
       // A player has won.
        ic.broadcast (new GameResponse (gameSessior.getActivePlayer().getName(), gameSessior.getBoard(),
gameSessior.getWinner().getName());
        gameSessionMar.remove(id.getID());
   // The move was successful, so we return an OK response.
   return Response.ok().build();
```

Lobby.js - Atmosphere @ frontend

```
playerNameRequest = { url: baseuri + '/player/' + $.cookie('name'),
        contentType : "application/json',
        logLevel : 'debug',
        transport : 'long-polling',
        trackMessageLength : true};
playerNameRequest.onOpen = function (response) {
    console.log('connected to playernamerequest);
};
playerNameRequest.onMessage = function (response) {
     // ...
};
// Finally we subscribe to the request.
playerNameSocket = $.atmosphere.subscribe(playerNameRequest);
```

```
playerNameRequest.onMessage = function (response) {
   var message = response.responseBody;
   try {
       var json = $.parseJSON(message);
    } catch (e) {
        console.log('This doesn\'t look like a valid JSON: , message);
        return;
    gameController.startGame(baseuri, json.uuid, jsorsize, json.startingPlayerName);
};
```

DEMO Questions?