

Player - Notepad

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```
package com.infy.entity;

import javax.persistence.Entity;
import javax.persistence.Id;
import javax.persistence.Table;

@Entity
@Table(name="players")
public class Player {
    @Id
    private Integer playerId;
    private String playerName;
    private Integer ranking;
    private String battingStyle;
    private String bowlingStyle;
    private String debutDate;
    private String country;
    public Integer getPlayerId() {
        return playerId;
    }
    public void setPlayerId(Integer playerId) {
        this.playerId = playerId;
    }
    public String getPlayerName() {
        return playerName;
    }
    public void setPlayerName(String playerName) {
        this.playerName = playerName;
    }
    public Integer getRanking() {
        return ranking;
    }
    public void setRanking(Integer ranking) {
        this.ranking = ranking;
    }
    public String getBattingStyle() {
```



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@Service(value="bookService")

@Transactional

public class PlayerServiceImpl implements PlayerService {

@Autowired

private PlayerRepository playerRepository;

@Override

public List&lt;PlayerDTO&gt; getFirstSevenPlayers(int pageNo, int pageSize) throws InfyPlayerException {

Pageable pageable = PageRequest.of(pageNo, pageSize);

Page&lt;Player&gt; p1 = playerRepository.findAll(pageable);

List&lt;Player&gt; p11 = p1.getContent();

if (p11.isEmpty())

{

throw new InfyPlayerException("Service.NO\_PLAYERS\_IN\_THIS\_PAGE");

}

List&lt;PlayerDTO&gt; l = new ArrayList&lt;&gt;();

for (Player p : p11)

{

l.add(new PlayerDTO(p.getPlayerId(), p.getPlayerName(), p.getRanking(), p.getBattingStyle(), p.getBowlingStyle(), p.getDebutDate(), p.getCountry()));

}

return l;

}

@Override

public List&lt;PlayerDTO&gt; getAllPlayersByDebutDateAfter(String debutDate, int i, int j) throws InfyPlayerException {

Pageable pageable = PageRequest.of(i, j);

List&lt;Player&gt; p1 = playerRepository.findByDebutDateAfter(debutDate, pageable);

if (p1.isEmpty()) {

throw new InfyPlayerException("Service.NO\_PLAYERS\_IN\_THIS\_PAGE");

}

return p1.stream()

.map(p -&gt; new PlayerDTO(p.getPlayerId(), p.getPlayerName(), p.getRanking(), p.getBattingStyle(), p.getBowlingStyle(), p.getDebutDate(), p.getCountry()))

|.collect(Collectors.toList());

}

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```
.map(p -> new PlayerDTO(p.getPlayerId(),p.getPlayerName(),p.getRanking(),p.getBattingStyle(),p.getBowlingStyle(),p.getDebutDate(),p.getCountry()))
|.collect(Collectors.toList());
}

@Override
public List<PlayerDTO> getAllPlayersSortedByRanking(Sort sort) throws InfyPlayerException {
    Iterable<Player> ps = playerRepository.findAll(sort);

    List<PlayerDTO> pDTOs = new ArrayList<>();
    ps.forEach(p -> {
        PlayerDTO t =new PlayerDTO(p.getPlayerId(),p.getPlayerName(),p.getRanking(),p.getBattingStyle(),p.getBowlingStyle(),p.getDebutDate(),p.getCountry());
        pDTOs.add(t);
    });
    if (pDTOs.isEmpty()) {
        throw new InfyPlayerException("Service.NO_PLAYERS_IN_THIS_PAGE");
    }
    return pDTOs;
}

@Override
public List<PlayerDTO> getAllPlayersOfCountrySortedByRanking(String country, Sort sort) throws InfyPlayerException {
    List<Player> p11=playerRepository.findByCountry(country, sort);
    if(p11.isEmpty())
    {
        throw new InfyPlayerException("Service.NO_PLAYERS_IN_THIS_PAGE");
    }
    List<PlayerDTO> l=new ArrayList<>();
    for(Player p:p11)
    {
        l.add(new PlayerDTO(p.getPlayerId(),p.getPlayerName(),p.getRanking(),p.getBattingStyle(),p.getBowlingStyle(),p.getDebutDate(),p.getCountry()));
    }
    return l;
}
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