

Reading Records from the Database

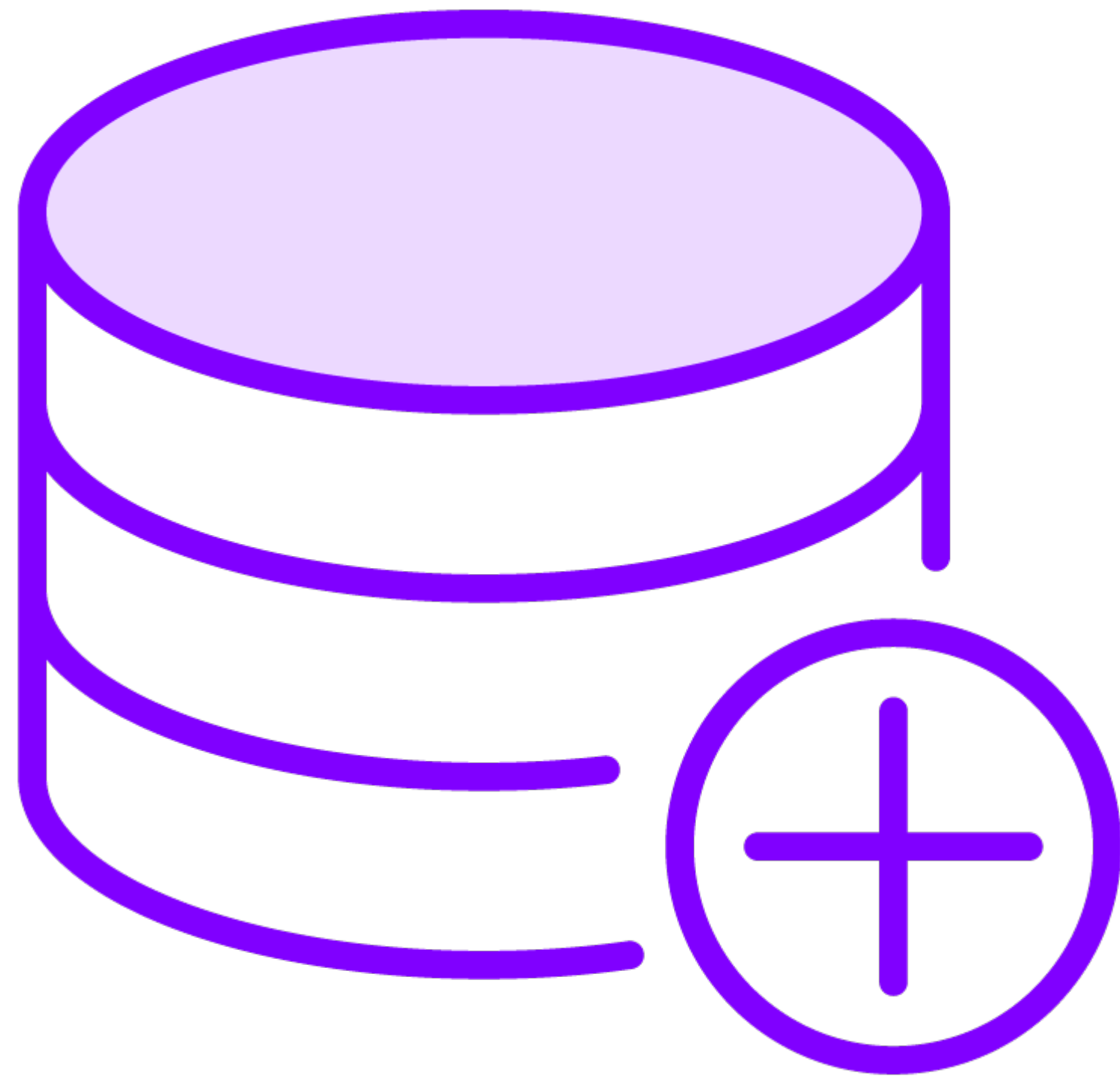


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cRud



JdbcTemplate

RowMapper

SimpleJdbcCall

Demo

Select All

Modify Test

RowMapper

Create Read

Modify Create

Read All

```
List <Speaker> speakers = jdbcTemplate.query("select *  
from speaker", new  
RowMapper<Speaker>() {  
    @Override  
    public Speaker mapRow(ResultSet rs, int rowNum) throws  
SQLException {  
        Speaker speaker = new Speaker();  
        speaker.setId(rs.getInt("id"));  
        speaker.setName(rs.getString("name"));  
        return speaker;  
    }  
});
```


Modify Test

@Test

```
public void testCreateSpeaker() {  
    RestTemplate restTemplate = new RestTemplate();  
    Speaker speaker = new Speaker();  
    speaker.setName("John Henry");  
  
    restTemplate.put("http://localhost:8080/  
speaker", speaker);  
}
```

RowMapper

```
public class SpeakerRowMapper implements RowMapper<Speaker> {  
    @Override  
    public Speaker mapRow(ResultSet rs, int rowNum) throws  
SQLException {  
        Speaker speaker = new Speaker();  
        speaker.setId(rs.getInt("id"));  
        speaker.setName(rs.getString("name"));  
        return speaker;  
    }  
}
```

Modify Create Speaker

```
KeyHolder keyHolder = new GeneratedKeyHolder();
jdbcTemplate.update(new PreparedStatementCreator() {
    public PreparedStatement
createPreparedStatement(Connection con) throws SQLException {
    PreparedStatement ps =
        con.prepareStatement("insert into speaker (name)
values (?)", new String[] {"id"});
    ps.setString(1, speaker.getName());
    return ps;
}, keyHolder);
```

Summary

Select All

Update Tests and Controller

RowMapper

PreparedStatementCreator

SimpleJdbcInsert