

TestLog0822

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1. approvePlan

1.1. 错误类型1

输入读取错误

```
Test set: sources.TestApprovePlan
```

```
Tests run: 4, Failures: 4, Errors: 0, Skipped: 0, Time elapsed: 0.003 s <<< FAILURE! - :
sources.TestApprovePlan.testValidInput Time elapsed: 0 s <<< FAILURE!
java.lang.AssertionError:
```

```
Unexpected method call HttpServletRequest.getParameter("is_approved"):
  HttpServletRequest.getParameter("planIdArray"): expected: 1, actual: 0
    at sources.TestApprovePlan.testValidInput(TestApprovePlan.java:79)
```

```
sources.TestApprovePlan.testValidInput Time elapsed: 0 s <<< FAILURE!
java.lang.AssertionError:
```

```
Expectation failure on verify:
  HttpServletRequest.getParameter("planIdArray"): expected: 1, actual: 0
Unexpected method calls:
  HttpServletRequest.getParameter("is_approved")
    at sources.TestApprovePlan.tearDown(TestApprovePlan.java:62)
```

1.2. 错误原因1

需求理解错误，输入为一个planId组成的数组 {planIdArray: ["1", "2"]}，需要读取为 JSONArray，然后将每个planId的 is_approved 字段置为1，。参照[接口文档](#)。

```
public student searchStudent(int i){
    student student=new student();
    String sql= "select * from student where id=?";
    try {
        Connection connection=DatabaseLink.getConnection();
        PreparedStatement pstmt = connection.prepareStatement(sql);
        pstmt.setInt(1,i);
        ResultSet rs=pstmt.executeQuery();
        while (rs.next()){
            student.setId(rs.getInt("id"));
            student.setTestid(rs.getLong("testid"));
            student.setName(rs.getString("name"));
            student.setGender(rs.getString("gender"));
            student.setRegionid(rs.getInt("regionid"));
            student.setTotal_score(rs.getInt("total_score"));
            student.setRank(rs.getInt("rank"));
        }
    } catch (SQLException e) {
        e.printStackTrace();
    }
    return student;
}
```

1.3. 错误类型2

```
sources.TestApprovePlan.testInvalidInput Time elapsed: 0 s <<< FAILURE!
java.lang.AssertionError:

    Unexpected method call HttpServletResponse.getWriter():
        HttpServletResponse.sendError(402 (int), "提交失败, 请刷新后重试"): expected: 1, actual
            at sources.TestApprovePlan.testInvalidInput(TestApprovePlan.java:106)

sources.TestApprovePlan.testInvalidInput Time elapsed: 0 s <<< FAILURE!
java.lang.AssertionError:

    Expectation failure on verify:
        HttpServletRequest.getParameter("planIdArray"): expected: 1, actual: 0
            at sources.TestApprovePlan.tearDown(TestApprovePlan.java:62)
```

1.4. 错误原因2

未处理异常值。如果提交的id不存在，如 {planIdArray: ["100", "200"]}，应该返回状态码402和错误信息，`response.sendError(402, "提交失败, 请刷新后重试");`。

参考 `findStudentById.java` 进行修改。

```
// 若学生存在
if (!"null".equals(String.valueOf(student.getId())) && !"0".equals(String.valueOf(student.getId()))) {
    PrintWriter out = response.getWriter();

    JSONObject jsonObject = new JSONObject();
    jsonObject.put("id", student.getId());
    jsonObject.put("testId", student.getTestid());
    jsonObject.put("name", student.getName());
    jsonObject.put("gender", student.getGender());
    jsonObject.put("regionId", student.getRegionid());
    jsonObject.put("totalScore", student.getTotal_score());
    jsonObject.put("rank", student.getRank());
    jsonObject.put("chinesrScore", student.getChinese_score());
    jsonObject.put("mathScore", student.getMath_score());
    jsonObject.put("englishScore", student.getEnglish_score());
    jsonObject.put("compScore", student.getComp_score());
    jsonObject.put("kind", student.getKind());
    out.print(jsonObject.toString());
} else {
    // 若学生不存在，返回状态码402
    response.sendError(402, "id输入错误");
}
```

1.5. 负责人

2. rejectPlan

2.1. 错误类型1

输入错误

```
Test set: sources.TestRejectPlan
```

```
Tests run: 4, Failures: 4, Errors: 0, Skipped: 0, Time elapsed: 0.001 s <<< FAILURE! - :
sources.TestRejectPlan.testValidInput Time elapsed: 0 s <<< FAILURE!
java.lang.AssertionError:
```

```
    Unexpected method call HttpServletRequest.getParameter("is_approved"):
      HttpServletRequest.getParameter("planIdArray"): expected: 1, actual: 0
        at sources.TestRejectPlan.testValidInput(TestRejectPlan.java:79)
```

```
sources.TestRejectPlan.testValidInput Time elapsed: 0 s <<< FAILURE!
java.lang.AssertionError:
```

```
Expectation failure on verify:
  HttpServletRequest.getParameter("planIdArray"): expected: 1, actual: 0
Unexpected method calls:
  HttpServletRequest.getParameter("is_approved")
    at sources.TestRejectPlan.tearDown(TestRejectPlan.java:62)
```

2.2. 错误原因1

需求理解错误，输入为一个planId组成的数组 {planIdArray: ["1", "2"]}，需要读取为 JSONArray，然后将每个planId的 is_approved 字段置为0，。参照[接口文档](#)。

2.3. 错误类型2

未处理异常值。

```
sources.TestRejectPlan.testInvalidInput Time elapsed: 0 s <<< FAILURE!
java.lang.AssertionError:

    Unexpected method call HttpServletResponse.getWriter():
        HttpServletResponse.sendError(402 (int), "提交失败, 请刷新后重试"): expected: 1, actual
            at sources.TestRejectPlan.testInvalidInput(TestRejectPlan.java:103)

sources.TestRejectPlan.testInvalidInput Time elapsed: 0 s <<< FAILURE!
java.lang.AssertionError:

    Expectation failure on verify:
        HttpServletRequest.getParameter("planIdArray"): expected: 1, actual: 0
            at sources.TestRejectPlan.tearDown(TestRejectPlan.java:62)
```

2.4. 错误原因2

未处理异常值。如果提交的id不存在，如 {planIdArray:["100", "200"]}，应该返回状态码402和错误信息， response.sendError(402, "提交失败, 请刷新后重试");。

参考 findStudentById.java 进行修改。

2.5. 负责人

余文婧

3. submitPlan

3.1. 错误类型1

读取字段名错误

```
java.lang.AssertionError:
    Expectation failure on verify:
        HttpServletRequest.getParameter("regionId"): expected: 1, actual: 0
        HttpServletRequest.getParameter("classId"): expected: 1, actual: 0
        HttpServletRequest.getParameter("universityId"): expected: 1, actual: 0
        HttpServletRequest.getParameter("number"): expected: 1, actual: 0
        HttpServletRequest.getParameter("isApproved"): expected: 1, actual: 0
        HttpServletRequest.getParameter("approvedBy"): expected: 1, actual: 0
    Unexpected method calls:
        HttpServletRequest.getParameter("regionid")
```

3.2. 错误原因1

未按照接口文档字段名定义读取。接口文档传入的字段名和数据库中的不是完全一样的，数据库中使用下划线是因为mysql不区分大小写，而在java中应使用大小写命名。

输入为

```
{
    "planId": 1,
    "year": 2020,
    "regionId": 1,
    "classId": 5,
    "universityId": 1,
    "number": 20,
    "isApproved": 0,
    "approvedBy": "李四"
}
```

读取为

```
int planid= Integer.parseInt(request.getParameter("planid").toString());
String year =request.getParameter("year").toString();
int regionid=Integer.parseInt(request.getParameter("regionid").toString());
int classid=Integer.parseInt(request.getParameter("classid").toString());
int universotyid=Integer.parseInt(request.getParameter("universotyid").toString());
int number=Integer.parseInt(request.getParameter("number").toString());
int is_approved=Integer.parseInt(request.getParameter("is_approved").toString());
String approved_by=request.getParameter("approved_by").toString();
```

3.3. 负责人

余文婧