

选课网站接口分析

注意：Request Header 的要求会在最后说明

1. 获取选课基本信息

GET https://coursesel.umji.sjtu.edu.cn/tpm/findStudentElectTurns_ElectTurn.action?_t=<UnixTimeMs>

Body：无

示例：https://coursesel.umji.sjtu.edu.cn/tpm/findStudentElectTurns_ElectTurn.action?_t=1645699958000

Response 中包含了选课的基本信息：开始时间、结束时间、electTurnId (这个在后面很重要)、选课模式 (Early bird / Lucky draw)

Response 示例：[BasicInfo.json](#)

2. 获取全部课程信息

GET https://coursesel.umji.sjtu.edu.cn/tpm/findLessonTasks_ElectTurn.action?jsonString=%7B%22isToTheTime%22%3Atrue%2C%22electTurnId%22%3A%22<electTurnId>%22%2C%22loadCourseGroup%22%3Atrue%2C%22loadElectTurn%22%3Atrue%2C%22loadCourseType%22%3Atrue%2C%22loadCourseTypeCredit%22%3Atrue%2C%22loadElectTurnResult%22%3Atrue%2C%22loadStudentLessonTask%22%3Atrue%2C%22loadPrerequisiteCourse%22%3Atrue%2C%22loadLessonCalendarWeek%22%3Afalse%2C%22loadLessonCalendarConflict%22%3Afalse%2C%22loadTermCredit%22%3Atrue%2C%22loadLessonTask%22%3Atrue%2C%22loadDropApprove%22%3Atrue%2C%22loadElectApprove%22%3Atrue%7D

如果选课还未开始，需要将 URL 中红色的 true 改为 false

Body：无

示例：https://coursesel.umji.sjtu.edu.cn/tpm/findLessonTasks_ElectTurn.action?jsonString=%7B%22isToTheTime%22%3Atrue%2C%22electTurnId%22%3A%22D83A10A9-0913-4061-AF5C-48EF250B41FA%22%2C%22loadCourseGroup%22%3Atrue%2C%22loadElectTurn%22%3Atrue%2C%22loadCourseType%22%3Atrue%2C%22loadCourseTypeCredit%22%3Atrue%2C%22loadElectTurnResult%22%3Atrue%2C%22loadStudentLessonTask%22%3Atrue%2C%22loadPrerequisiteCourse%22%3Atrue%2C%22loadLessonCalendarWeek%22%3Afalse%2C%22loadLessonCalendarConflict%22%3Afalse%2C%22loadTermCredit%22%3Atrue%2C%22loadLessonTask%22%3Atrue%2C%22loadDropApprove%22%3Atrue%2C%22loadElectApprove%22%3Atrue%7D

Response 内容：

[data][electTurnResult] 中包含了已选的课程（只要有记录就会出现，包括取消的和没选成功的）

[data][lessonTasks] 中包含所有课程的信息

Response 示例：[AllInfo.json](#)

3. 在 Early Bird 中选课

POST https://coursesel.umji.sjtu.edu.cn/tpm/doElect_ElectTurn.action?_t=<UnixTimeMs>

Body：jsonString=%7B%22electTurnId%22%3A%22<electTurnId>%22%2C%22autoElect%22%3Atrue%2C%22lessonTasks%22%3A%5B%22<electTurnLessonTaskId>%22%5D%7D

示例：

URL：https://coursesel.umji.sjtu.edu.cn/tpm/doElect_ElectTurn.action?_t=1645699958000

Body：jsonString=%7B%22electTurnId%22%3A%22D83A10A9-0913-4061-AF5C-48EF250B41FA%22%2C%22au

toElect%22%3Atrue%2C%22lessonTasks%22%3A%5B%222176E4A2-04D5-49B5-B8C4-B77F47A42978%22%5D%7D

Response :

选课成功时的示例 : {"electTurnId":"D83A10A9-0913-4061-AF5C-48EF250B41FA","autoElect":true,"lessonTasks":["2176E4A2-04D5-49B5-B8C4-B77F47A42978"]}

选课失败时的示例 : {"success":false,"data":"","errDesc":"座位已满！"}

4. 在 Early Bird 中退课

POST https://coursesel.umji.sjtu.edu.cn/tpm/unDoElect_ElectTurn.action?_t=<UnixTimeMs>

Body : jsonString=%7B%22electTurnId%22%3A%22<electTurnId>%22%2C%22lessonTasks%22%3A%22%5B%5C%22<lessonTaskId>%2C%5C%22%5D%22%7D

示例 :

URL : https://coursesel.umji.sjtu.edu.cn/tpm/unDoElect_ElectTurn.action?_t=1645699958000

Body : jsonString=%7B%22electTurnId%22%3A%22D83A10A9-0913-4061-AF5C-48EF250B41FA%22%2C%22lessonTasks%22%3A%22%5B%5C%22C9A6D634-B650-0001-ABC9-142857502190%2C%5C%22%5D%22%7D

Response :

成功时示例 : {"electTurnId":"D83A10A9-0913-4061-AF5C-48EF250B41FA","lessonTasks":["\C9A6D634-B650-0001-ABC9-142857502190,\"]}

失败时示例 : {"success":false,"data":"","errDesc":"exception request."}

注 : 请勿轻易尝试此操作

5. 在 Lucky Draw 中选课

POST https://coursesel.umji.sjtu.edu.cn/tpm/saveDraft_ElectTurn.action?_t=<UnixTimeMs>

Body : jsonString=%7B%22electTurnId%22%3A%22<electTurnId>%22%2C%22lessonTasks%22%3A%5B%7B%22electTurnLessonTaskId%22%3A%22<electTurnLessonTaskId>%22%2C%22lessonTaskId%22%3A%22<lessonTaskId>%22%7D%5D%7D

示例 :

URL : https://coursesel.umji.sjtu.edu.cn/tpm/saveDraft_ElectTurn.action?_t=1645699958000

Body : jsonString=%7B%22electTurnId%22%3A%2223E9FE37-6EDB-4C22-ADA8-BF397210419E%22%2C%22lessonTasks%22%3A%5B%7B%22electTurnLessonTaskId%22%3A%226CB485BE-ED86-4E3C-983A-230C975AEB6F%22%2C%22lessonTaskId%22%3A%227A2D7ED3-F696-4560-9C3D-AE6CB7582299%22%7D%5D%7D

Response : 具体的我不记得了, 但我记得如果成功了, 会包含 true 或 True, 只需要查找 rue, 有就代表成功了, 没有就失败了。

6. 在 Lucky Draw 中退课

这个我不记得了, 也没有记录, 不过 Lucky Draw 退课你只要到网站上自己退就行了, 没必要用软件自动化

Header 要求：

具体请见 [header.json](#)

GET 用上面那一组，POST 用下面那一组

除了"Content-Length"和"Cookie"，其它的都不要动（GET 不需要 Content-Length）

Cookie 中需要把 JSESSIONID=后面的内容改成你自己的。登陆选课网站，在浏览器的 Cookie 中找到选课网站，再找 JSESSIONID 的值，用这个就行。

在 POST 请求中，Content-Length 设置为 Body 的长度