

## Automated Course Scheduling System

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**Version:** 1.1

|  |   |   |
|--|---|---|
| USE CASE NAME:                                 | Display Schedules   | USE CASE TYPE<br>Business Requirements: <input checked="" type="checkbox"/> |
| USE CASE ID:                                   | 3   |   |
| PRIORITY:                                      | High  |   |
|  |   |   |
| PRIMARY BUSINESS ACTOR:                        | User  |   |
| OTHER PARTICIPATING ACTORS:                    | •   |   |
| OTHER INTERESTED STAKEHOLDERS:                 | •   |   |
| SHORT DESCRIPTION:                             | Display of the schedules after user chooses the classes to include into the schedule  |   |
| PRE-CONDITION:                                 | System receives generated schedules list  |   |
| TRIGGER:                                       | Pressing the “Submit” button  |   |
| TYPICAL COURSE OF EVENTS:                      | User Action   | System Response   |
|  | User presses the “Submit” button  |   |
|  |   | System fetches the schedules list.  |
|  |   | For each created schedule, system splits courses by weekdays.               |
|  |   | System calculates the course relative position in the schedule              |
|  |   | System displays courses with their information as the schedule              |
|  | User may choose to iterate through schedules by ‘next’ and ‘previous’ icons   | System displays previous/next schedules                                     |
|  |   |   |
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|  |   |   |
|  |   |   |
| ALTERNATE COURSES:                             | The fetched schedules list is empty → the system returns an empty schedule  |   |
|  | Too many schedules were generated → the system displays an error message stating that “Only some schedules will be displayed”                               |   |
| CONCLUSION:                                    | Schedules are displayed and could be iterated through   |   |
| POST-CONDITION:                                |   |   |
| BUSINESS RULES:                                |   |   |
| IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS: | System must handle alternate courses.<br>Schedules with all open courses would have a higher priority in displaying than schedules with waitlisted courses. |   |
| ASSUMPTIONS:                                   |   |   |
| OPEN ISSUES:                                   | 1.  |   |