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| **UC6** | | **Generate Schedule** | | | | |
| Test ID | Description | | Input | Expected Output | Actual Output | Result |
| 6.1 | Student leaves the preferences blank and generates the schedule for a given year. | | [blank preferences] | All courses for each semester in each academic year selected is displayed. | All courses for each semester in each academic year selected is displayed. | Pass |
| Year 1 |
| 6.2 | Student selects a time preference without selecting the day checkbox, then generates schedule for a given year. | | MON unchecked | All courses for each semester in each academic year selected is displayed. | All courses for each semester in each academic year selected is displayed. | Pass |
| MON 10:15:00 to 23:30:00 |
| Year 1 |
| 6.3 | Student selects a day without specifying the time preferences for that day, then generates a schedule for a given year. | | WED checked | No courses are displayed: ‘no result’ | No courses are displayed: ‘no result’ | Pass |
| [blank] start/end times |
| Year 2 |
| 6.4 | Student selects a day and the times for that day as a preference, and generates the schedule for a given year. | | M checked  W checked | Only courses that match the time filter are shown, no result found if no classes match the time criteria. | COMP 248  COMP 249 | Pass |
| M 8:45 to 13:30  W 8:45 to 13:30 |
| Year 1 |
| 6.5 | Student selects a set of time preferences, but no year and generates the schedule. | | M checked  W checked | No courses are displayed: ‘no result’. | No courses are displayed: ‘no result’. | Pass |
| M 8:45 to 13:30  W 8:45 to 13:30 |
| No year |
| 6.6 | Student clicks ‘generate schedule button’ with a set of time preferences and for given years, and clicks ‘validate schedule’ without choosing any tutorial and laboratory sections. | | M checked  W checked | Error message indicating to select tutorial and laboratory section pops up. | Empty error message pops up:  [] | Fail |
| M 8:45 to 13:30  W 8:45 to 13:30 |
| Year 1 |
| 6.7 | Student choose a day, a set time preferences with the end time before the start time. | | F checked | No courses are displayed: ‘no result’ | No courses are displayed: ‘no result’ | Pass |
| F 10:30 to 8:45 |
| Year 1,2,3,4 |