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| Use case | Description |
| Use case number | 1 |
| Application | Optimal Timetable |
| Use case name | Insert page |
| Use case description | The user need to input the information, including the course code, the place, the start time and the finish time. |
| Primary actor | User |
| Basic flow | 1. User inputs the information, including his existing course code, the place, the start time and the finish time. 2. The system checks the time of the input course. 3. The system displays a tailor made timetable. |
| Alternate flow | 1. User inputs the information, including his existing course code, the place, the start time and the finish time. 2. The system checks the time of the input course. 3. The system cannot generate a possible timetable with matched time slots. |

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| Use case | Description |
| Use case number | 2 |
| Application | Optimal Timetable |
| Use case name | Find page |
| Use case description | User need to input their requirement and preference. |
| Primary actor | User |
| Basic flow | 1. User inputs their requirement and preference, such as how many credit they want to take and how long for a longer lunch break, etc.  2. The system checks the matched courses according to the input requirement and preference. 3. The system displays a tailor made timetable. |
| Alternate flow | 1. User inputs their requirement and preference, such as how many credit they want to take and how long for a longer lunch break, etc.  2. The system checks the matched courses according to the input requirement and preference. 3. The system cannot generate a possible timetable with matched time slots according to the requirement and preference. |