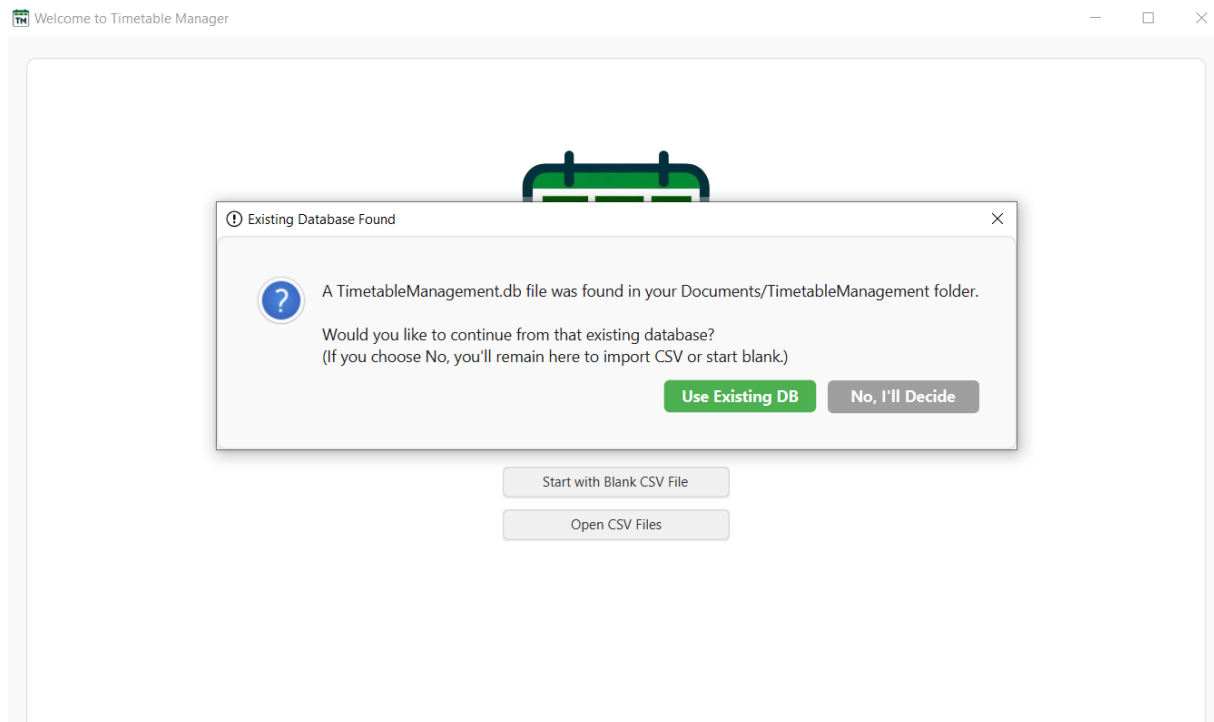# Timetable Manager User Manual

Introduction

The **Timetable Manager** application is a comprehensive tool designed to assist educational institutions in creating and managing course schedules, classroom allocations, and student enrollments. This manual guides users through the application's functionalities, providing step-by-step instructions for efficient usage.


Main Features

1. Auto Save

1. Click **Use Existing DB** to continue with existing database.
2. If the user does not want to continue with the automatically saved database, a backup is created in the "saves" folder within the project's main directory.

2. Adding a Course

1. 1.Click the **Add Course** button.
2. 2.Enter the required details, including:
   - o **Course ID**
   - o **Lecturer**
   - o Additional parameters (e.g., capacity, duration, etc.)
3. Click **Create Course** to finalize the addition.

3. Assigning Classrooms

1. Click the **Assign Classroom** button.
2. Select a course from the list.
3. Choose a target classroom.
4. Click the **Assign** button.
5. If the classroom is available, the assignment will appear in the **Outline** section.
6. Click **Delete** button to delete assignment from Outline part.
7. Click the **Save** button to confirm the assignment.
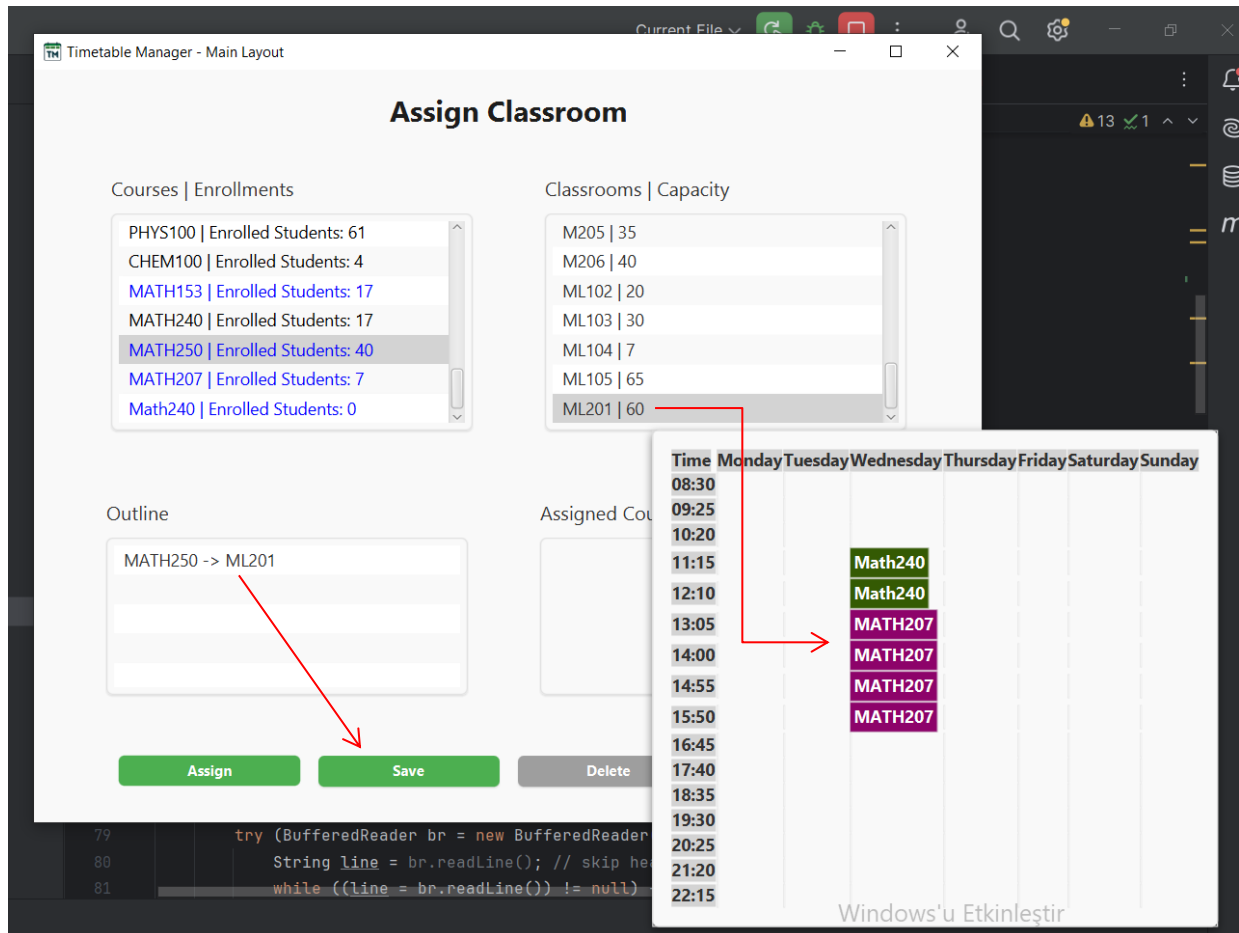
4. Enrolling Students

1. Click **Enroll Student** and select the desired course.
2. The system will automatically show the informations and enrolled students .
3. Click on the **Edit Enrollment** button to edit enrolled students.
4. Select a student and press the add button.
5. Press the **Delete** button to delete selected student.
6. Press the **Save** button to save the selected students.
7. Click **Save Changes** button.

5. Course Details

1. Double-click on a course in the table to open the course detail page.
2. To delete a course, click the **Delete Course** button on the course detail page.

6. Viewing Schedules

6.1 Student Schedule

1. Open course detail part with double click on the table.
2. Select student from **Students** tab.
3. View the weekly schedule for the selected student.
4. To withdraw from a course, double-click on the course to be withdrawn in the table.

6.2 Classroom Schedule

1. Double-click on a course in the table to view course details.
2. Double-click on the classroom name on the course detail page to see the classroom schedule.

7. Classroom Swapping

1. Select the course that requires a classroom change.
2. Choose a target course from the list.
3. The system will verify capacity and availability.
4. If no class is assigned to the selected course, the system sends a warning message.
5. Confirm the swap by clicking the **Save** button if the requirements are met.

8. Importing Data

1. Use the **Import CSV** option in the **File** menu.
2. Upload a CSV file containing course and classroom data.
3. Ensure the file matches the required format for successful import.

9. Searching Courses

1. Enter keywords into the **Search** field to search courses by:
   o **Course ID**
   o **Lecturer name**
   o **Start time**
   o **Duration**
2. The results update dynamically to display only matching courses.
3. Click the **Refresh** button to clear results and reload the full timetable.