timetable Documentation

Release 0.1

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Currently under heavy development!

Timetable is a python API for solving class student scheduling for middle school and high schools.

Contents:

Contents

Metadata Architecture

This page defines the metadata format for each object in the `timetable` package. This format will remain constant even if the API changes drastically. This ensures backwards compatibility

1.1 Course

```
{
    "id" : "COU000001",
    "name" : "Math 7",
    "description" : "",
    "instructor" : "",
    "period" : 1,
    "day" : "Monday",
    "time" : "9am"
}
```

1.2 Student

```
{
    "id" : "STU000001",
    "name" : "Alice",
    "grade" : 7,
    "required" : [
        "Math 7",
        "English 8",
    ],
    "preferred" : [
        "Band",
        "Physical Education"
    ],
    ""
    "happiness" : 1.0,
    "schedule" : [
        {
            "id" : "COU000001",
            "name" : "Math 7",
            "description" : "",
            "instructor" : "",
            "period" : 1,
```

```
            "day" : "Monday",
            "time" : "9am"
        },
    ],
}
```

1.3 CourseList

1.4 StudentList

Indices and tables

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- modindex
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