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| NAME | ID |
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**System description:**

UniTime is a comprehensive educational scheduling system that supports developing course and exam timetables, managing changes to these timetables, sharing rooms with other events, and scheduling students to individual classes. It is a distributed system that allows multiple university and departmental schedule managers to coordinate efforts to build and modify a schedule that meets their diverse organizational needs while allowing for minimization of student course conflicts. It can be used alone to create and maintain a school's schedule of classes and/or exams, or interfaced with an existing student information system.

**Technique(s) we used to obtain this description:**

* Top-down approach.
* Suitable when programmer is familiar with the type of program to be comprehended.

**Bug description:**

• Title:

- Visibility Modifier

• Description:

- Exam class

Variable 'MSG' - line: 58

- ExamConflict class

Variable 'sConflictTypes' - line: 49

- ExamOwner class

Variable 'sOwnerTypes' - line: 65

- ExamPeriod class

Variable 'PERIOD\_ATTR\_NAME' - line: 60

- ExamType class

Variable 'MSG' - line: 39

• Priority:

- high-priority issue.

• Proposed Solution:

- Variables must be private and have accessor methods.

**GitHub repository link:**

<https://github.com/muhammed3iid/SWD-maintenance-project>

**Jira project link:**

<https://mohameddeidd.atlassian.net/browse/SMP-1>