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| **Name** | **1.2.1.2 Score Sheet** |
| **Purpose** | Scores and hold all of the scores associated with a plan. |
| **Description** | Holds and calculates all of the scores from a semester plan. Scores include walking score, professor score, break score, time of day (TOD) score, and day of week (DOW) score. |
| **Requirements** | Requirements 10-13 |
| **Elements** | 1.2.1.2.1 ScoreSheet::ScoreSheet(): Constructor for the Score Sheet that initializes all the score computations. |
| 1.2.1.2.2 computeProfessorScore: Takes a semester plan and computes an overall professor score. |
| 1.2.1.2.3 retrieveProfessorRatings: Returns all the rating info on a given professor from RateMyProfessor using their name and department. |
| 1.2.1.2.4 computeWalkScore: Takes a semester plan and computes an overall walk score that represents how closely walk time matches with the user’s preference. |
| 1.2.1.2.5 getWalkDistance: Returns a walk distance between two given locations. |
| 1.2.1.2.6 computeBreakScore: Takes a semester plan and computes an overall break score that represents how closely break times match with the user’s preference. |
| 1.2.1.2.7 getBreakTime: Returns a break time between two given class objects. |
| 1.2.1.2.8 computeTODScore: Takes a semester plan and computes an overall TOD score that represents how closely the classes times of day match with the user’s preference. |
| 1.2.1.2.9 computeDOWScore: Takes a semester plan and computes an overall DOW score that represents how closely the classes days of the week match with the user’s preference. |
| **Referenced By** | 1.2.1 Algorithm |
| **Viewpoint** | UML Structure Chart |