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| **Name** | **1.2.1 Algorithm Component** |
| **Purpose** | Creates and scores the semester plans that will be handed to the user. |
| **Description** | The logic that handles the creation, scoring, and suggestions of semester plans that will be delivered to the user consisting of 3 main components and their sub-components. |
| **Requirements** | Requirements 9-16 |
| **Elements** | **1.2.1.1 JarvisSuggests:** Suggests the plan with its attached scores including scores such as ProfessorScore, WalkScore, etc. |
| **1.2.1.2 ScoreSheet:** Collection of subcomponents that score a plan in a variety of ways. |
| **1.2.1.3 SemesterPlan:** Creates semester plans that align with in the closest way with the user’s preferences while utilizing class data, distance data, professor data, and more. |
| **Referenced By** | 1.2 Logic Component |
| **Viewpoint** | Component Diagram |