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| **Name** | **1.3.3.3 Storage Data Flow View** |
| **Purpose** | Illustrate the data flow between the various databases and how they interact with the logic component |
| **Description** | Requests come from the logic component and go to the federator, which then communicates with the external databases and the scheduling database, which then returns a response back to the logic component. |
| **Requirements** | Requirements 3-7 |
| **Elements** | **1.2 Logic:** The “brains” of the application where calculations are made |
| **1.3 Storage:** Handles the databases that the application depends on |
| **1.3.1 Federator:** Converts requests from the logic to SQL and returns a data response back to the logic |
| **1.3.1.1 Convert to SQL:** Takes the request from the logic and turns it into a query |
| **1.3.1.2 Return to Logic:** After getting the necessary data, it is then returned to the logic |
| **1.3.2 Scheduling Database:** Keeps track of saved schedules and user preferences |
| **1.3.3 External Database:** Stores relevant data from our external dependencies |
| **1.3.4 Shibboleth:** Handles the database with student information |
| **1.3.5 Jenzebar:** Handles the user authentication for the student using the application |
| **1.3.6 Interactive Map:** Handles the mapping of routes from one class to another |
| **1.3.7 Rate My Professor:** Keeps track of the ratings for each professor |
| **Referenced By** | N/A |
| **Viewpoint** | Component diagram |