Software Design Specification

* **Purpose**

The purpose of this document is to give to our team members and all developers around the world a visual perspective of the workflow and interaction among various components of our **Event Manager System**.

* **Scope**

This SDS (software design specification) document is centered on the design and structure aspect of boundaries, controls and back-end processes.

Here implementation and testing will not be emphasized, but however some illustration of implementation may be seen.

* **Definitions, acronyms and abbreviation**

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| --- | --- | --- |
| Items | Types | Description |
| UI | Acronym | User Interface |
| Auth | Abbreviation | Authentication |
| DB\_Manager | Abbreviation | Database Manager |
|  |  |  |

* **Sequence diagrams**

**Login**

The login process of Event Manager is describe as follow:

The user types his username and password through the GUI, which will create and **Authentication** object.

**Authentication** class will create a **DB\_Manager object** by sending a requestCheck.

From there DB\_Manager object will finally make selectQuery to the database and return a **User** object back to the **Authentication** which will check if the result is null then throw and exception otherwise relay the **User** info.