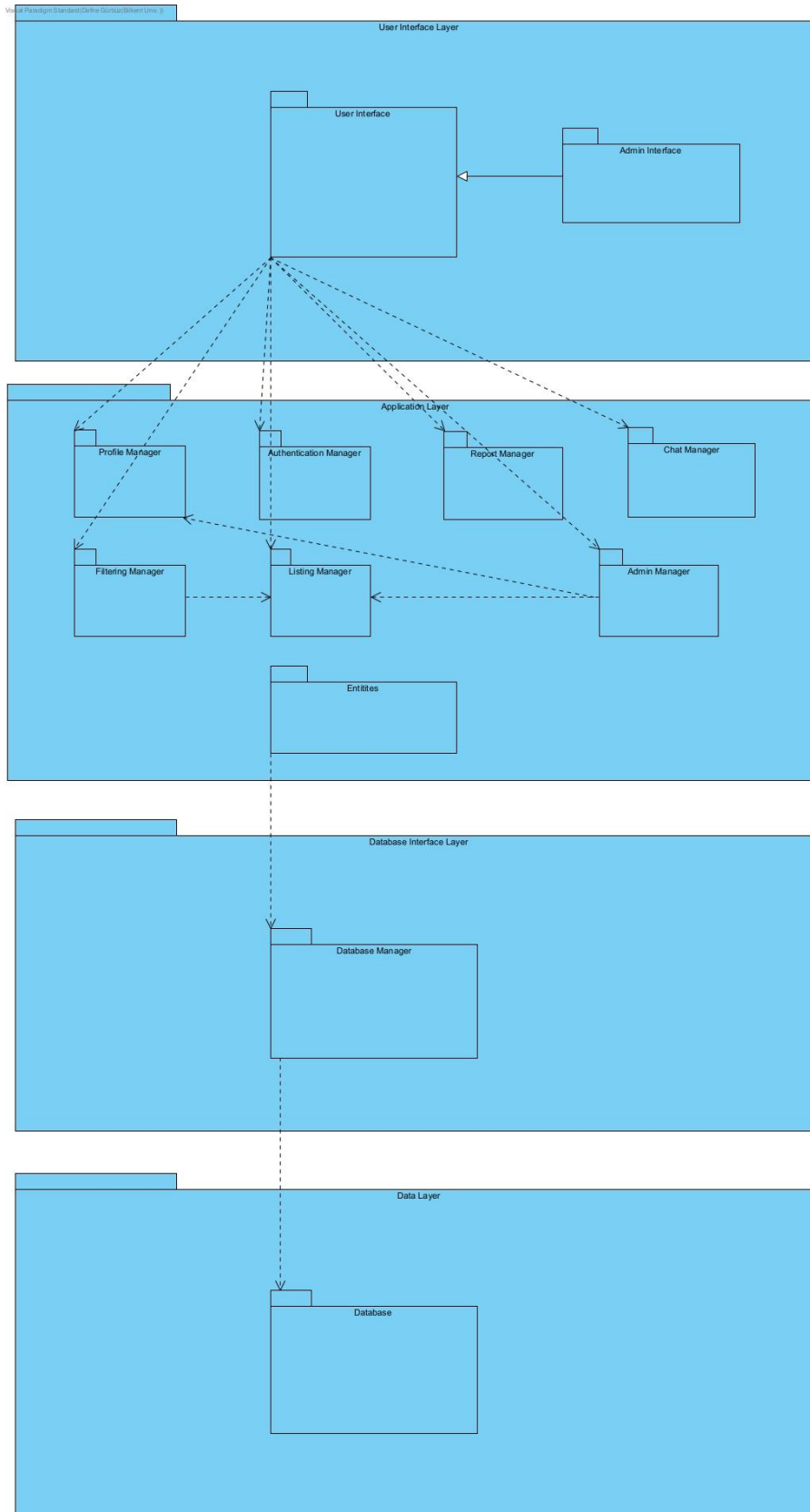


1. Subsystem Decomposition



2. Design Goals

2.1. Usability

The usability of Student Stash has been enhanced by providing a smooth user interface and transitions from one page to another. Users are automatically directed through every action they intend to perform. This automated navigation eliminates any potential confusion, providing a more intuitive experience. For instance, in notice creation action, Student Stash uses a step-by-step approach to the action, without any need for explicit instructions.

The web application will be cultivated by media elements of CSS to be compatible with all kinds of browsers, both in mobile and desktop environments. It will be enhanced not to collapse when switched to mobile mode. Most web applications are not responsive in mobile mode, making quick access nearly impossible or very difficult. Student Stash will try to solve this issue by implementing media-responsive elements in the stylesheet.

Security

The utmost goal of Student Stash is to provide a safe and secure environment for the users to run transactions. In an environment where the user's possessions and money are the means of communication, the security of the system must be a high priority. This issue has been settled by admin intervention, aiding the users with facilities such as report and block options. In the presence of any potential threat or discomfort, the users can report the issue to the admins. Including whenever the users feel their belongings and money are at stake, etc. Moreover, the chat mechanism, which is the mediator between the provider and the beneficiary, has been secured to the point that no third party has access to it.

2.2. Maintainability

StudentStash aims to provide a service that is going to solve a big problem for Bilkent students. The app should remain up and running for every new year of education. Because of this, proper maintenance of the app is critical to ensure that new students are included in this service. Also, as semesters pass, the curriculums of lessons are changing and with it new materials for lessons are demanded from the students. Maintaining the app according to these changes by adding new tags is critical to create the best user experience. Therefore, the tags are planned to be made in a way that it can be easily changed and revised. Also, with user feedback taken into consideration, regular patches with bug fixes and demanded new features will help StudentStash stay in relevancy.