

1.0 Design Goals

1.1 Portability

BilFind utilizes Flutter, a cross-platform development framework, to ensure portability. Flutter allows the application to run on various devices and operating systems, meeting the diverse preferences of the Bilkent University community. Flutter reduces the effort needed to create and maintain separate codebases for different platforms. This aligns to achieve efficient portability for BilFind.

1.2 Modifiability

BilFind strongly emphasizes writing modular and maintainable code. The codebase is structured into independent modules, enabling easy modification and extension of features to adapt to changes in university policies and user requirements. Our modular codebase enhances BilFind's scalability, ensuring the app can evolve. This flexibility ensures adapting to new features and changes in the university environment.

2.0 Subsystem Decomposition Diagram

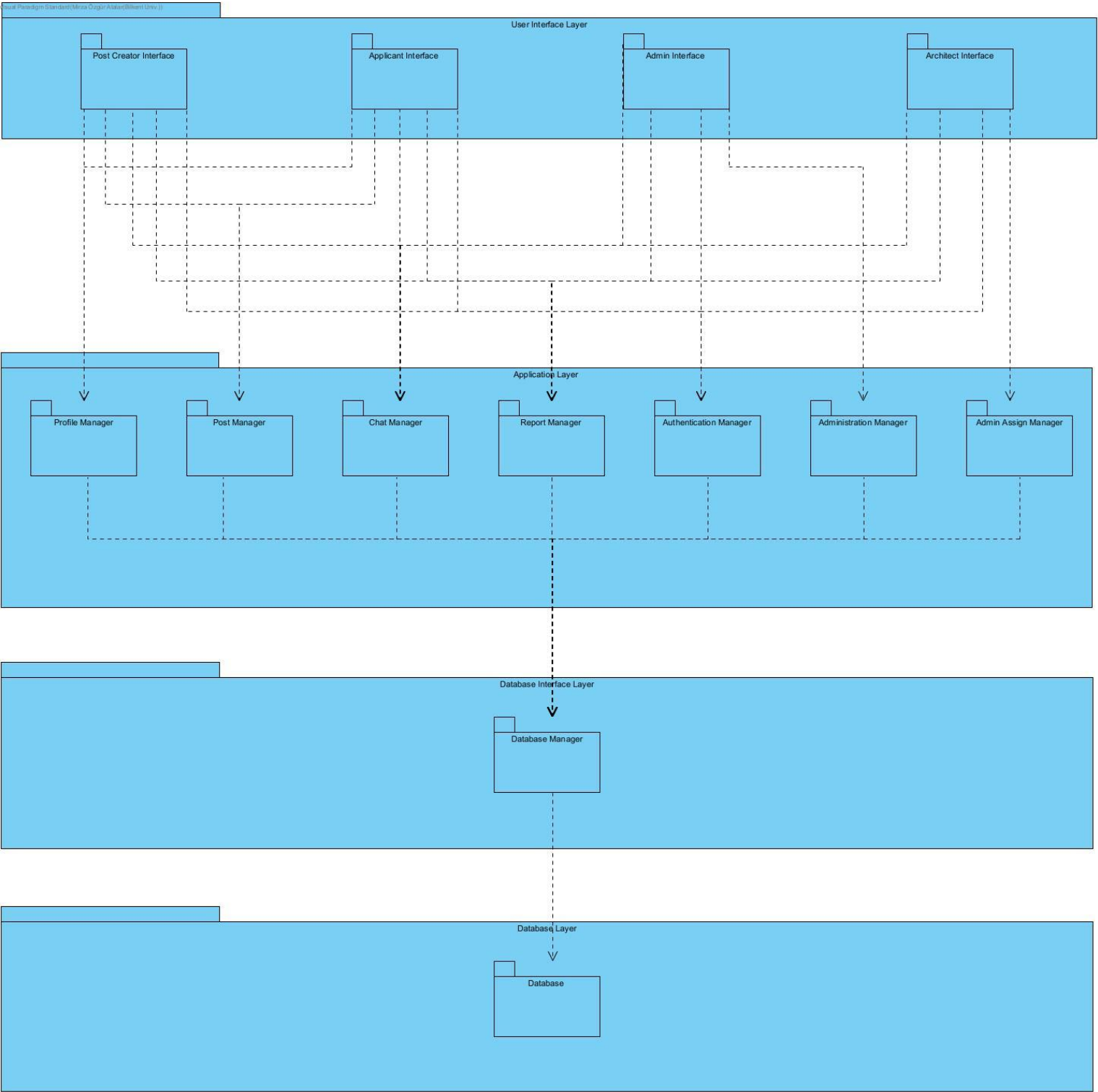


Figure 1 Subsystem Decomposition Diagram