
<Company Name>

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**Web Tinder App
Supplementary Specification**

Version 1.0

Web Tinder App	Version: 1.0
Supplementary Specification	Date: 12/03/2019
Project_SupplimentarySpecification.docx	

Revision History

Date	Version	Description	Author
<13/03/2019>	1.0	Initial Requirements Statement	Căta Mihai

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Supplementary Specification

1. Introduction

The Supplementary Specification captures the system requirements that are not already captured in the use cases of the use-case model. Such requirements include:

- Legal and regulatory requirements, including application standards.
- Quality attributes of the system to be built, including usability, reliability, performance, and supportability requirements.
- Other requirements such as operating systems and environments, compatibility requirements, and design constraints.

2. Non-functional Requirements

2.1 Availability

The system is not expected to be used in urgent scenarios so we can afford an availability degree of 99.5%. This translates into a yearly downtime of roughly 1 day and 19 hours, or a monthly downtime of 3 hours and 39 minutes. This time can be used to perform changes to the app, data compression and garbage collection.

2.2 Performance

Performance is not a key factor for our system. For this reason we can allow a response time of up to 10 seconds for a task requested by the user. However, the average response time, depending on the load of the system, should be less than 1 second.

2.3 Security

The system will be secured using https encrypted connections. Also we will demand user authentication and will encrypt the users' passwords rather than storing them as plain text. Other user data will not be encrypted as we do not find it as being sensible information.

2.4 Testability

The business logic of the application must be tested independently from the user interface. We will employ V-Model testing as illustrated in Figure 1 V-Model Testing. We aim to have over 90% test coverage, through unit and integration tests. With respect to manual testing, the system will log all information that is not displayed in the user interface, so that the system is fully observable and testable.

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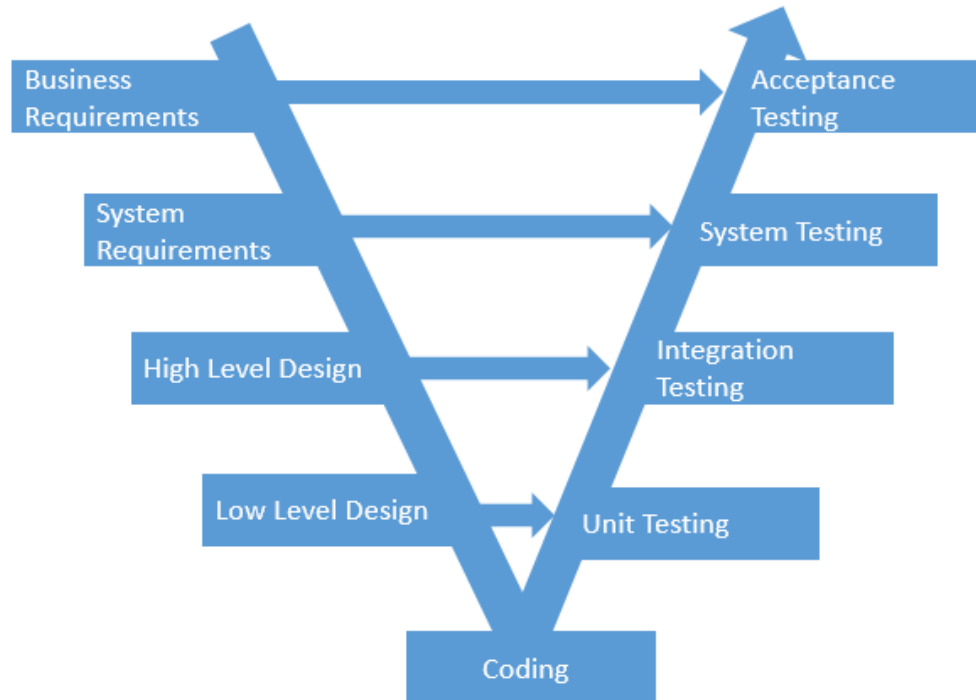


Figure 1 V-Model Testing

2.5 Usability

The app should be easy to use and its interface should be suggestive for any user, regardless of their previous experience using web apps. All of the important operations, like deleting your account, will prompt a confirmation dialog that describes the consequences of the action.

3. Design Constraints

The system is constrained to use Java 8 as implementation language. The software development process will be the Rational Unified Process (RUP), tailored to fit the team and the project. The conceptual architecture of the system will be a client server as illustrated in Figure 2 Conceptual Architecture. The required development tools are either Eclipse IDE or IntelliJ IDEA. In terms of libraries we will use: JavaFX, Hibernate, JDBC and GSON.

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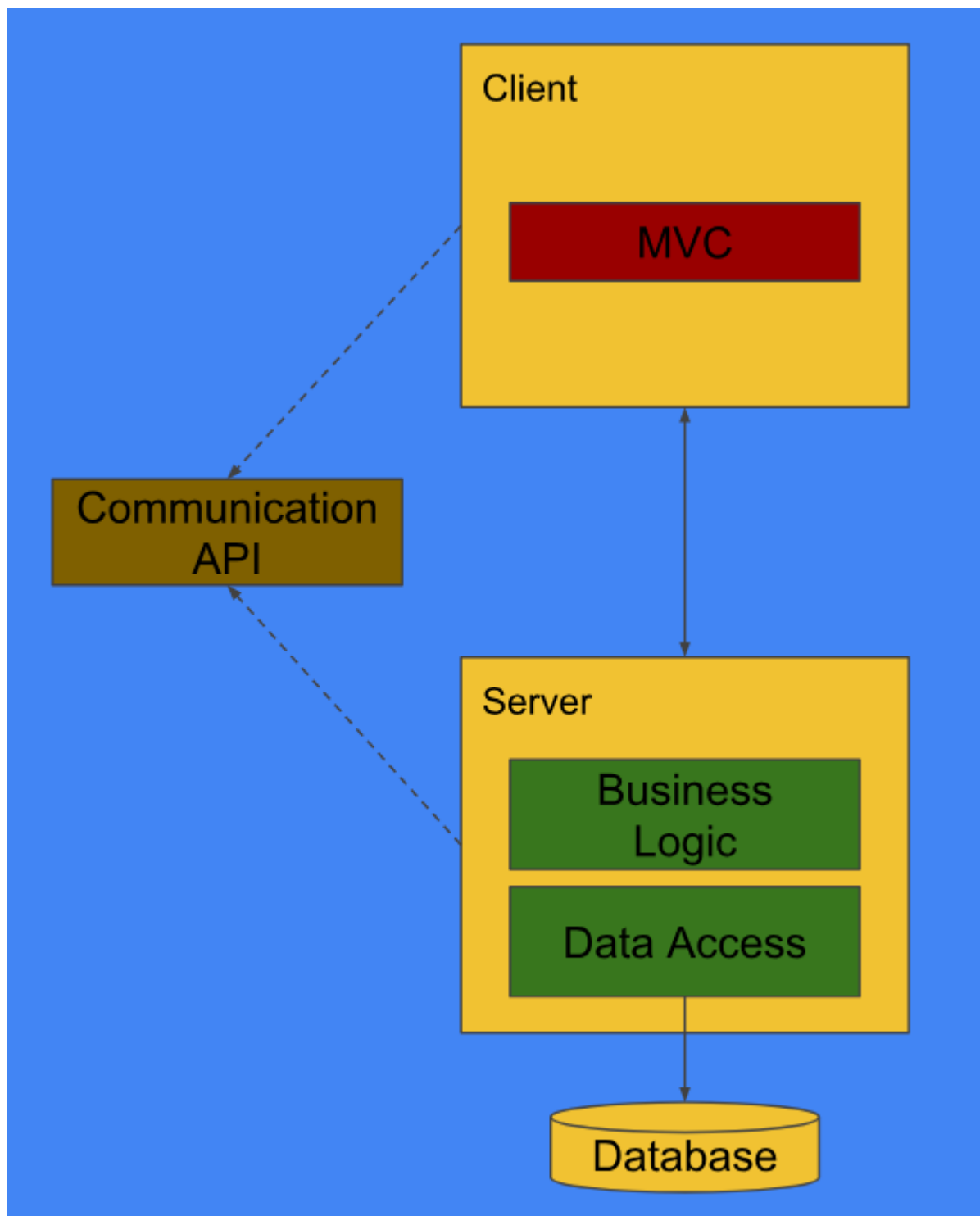


Figure 2 Conceptual Architecture