

Software Design Document

for

SubScruple

Version <1.0>

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# Introduction

## Document Purpose

## Product Scope

## Intended Audience and Document Overview

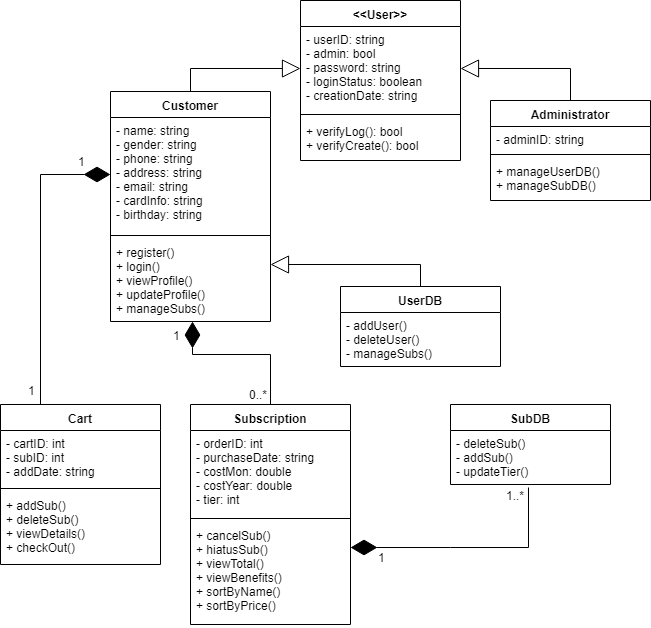
## Definitions, Acronyms and Abbreviations

## Document Conventions

## References and Acknowledgments

# Activity Diagrams

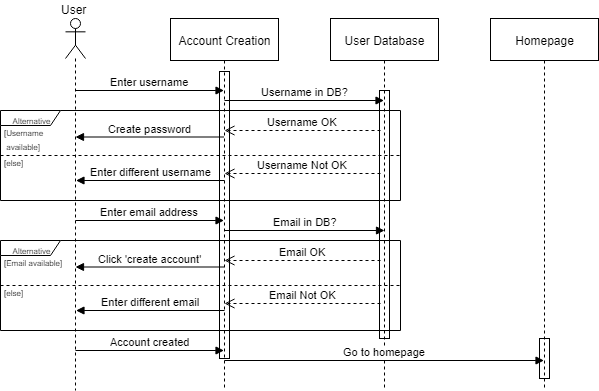
# Structural Modeling



**Figure 3.1.** Class Diagram overview for **SubScruple**

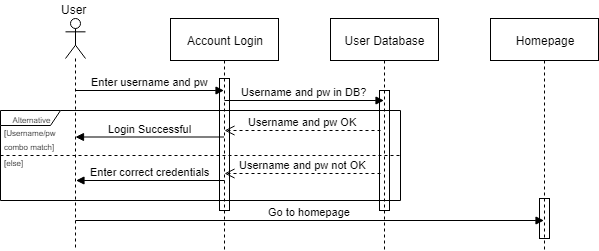
# Behavior Models

## Sequence Diagram: Account Creation



**Figure 4.1.** Sequence diagram showing the process of how a user would go about creating an account with **SubScruple**.

## Sequence Diagram: Account Login



**Figure 4.2.** Sequence diagram showing the process of how a user would go about logging into their account with **SubScruple**.

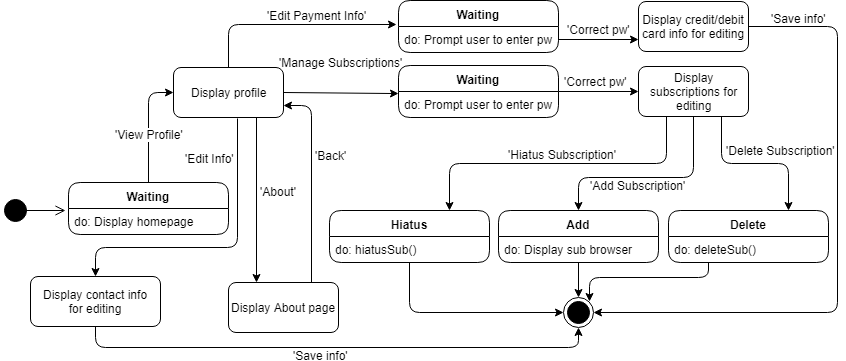
## Sequence Diagram: Admin Account Login

**Figure 4.3.** Sequence diagram showing the process of how an administrator would go about logging into their account with **SubScruple**.

## Sequence Diagram: Subscription Purchasing

**Figure 4.4.** Sequence diagram showing the process of how a user would purchase a subscription with **SubScruple**.

## State Diagram: Profile Management



**Figure 4.5.** State diagram for showing how a user would manage their profile, with a variety of different options.

## State Diagram: Database Management



**Figure 4.6.** State diagram for the different functionalities an administrator can perform on the user database and the subscription database.