

LIVetheMUSIC

Software requirement specification

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1 Introduction

1.1 Aim of the document

The aim of this document is to present a description of “LIVE the MUSIC”. It will present the purpose and features of the system and what the system will do.

1.2 Overview of the defined system

This system allows the user to remain updated about music events in the area according to the user’s musical taste. It will present detailed information about the location and transportation methods. The service allows the user to discover new artists that s/he may like. The user will be able to know which music events their friends will attend.

1.3 Operational settings

“LIVE the MUSIC” should run on any Operating System and browser that supports the Java Environment (version 8 or higher).

1.4 Related systems

Similar services are provided by TicketOne website and Virgin Radio application. TicketOne: The advantage of our system is that it suggests events based on friends’ participation and on specific filters applied by the user. Although does not provide an On-site method to buy the ticket and needs to redirect the user to TicketOne. Virgin Radio: Our system provides social features and the selection of musical events is not limited to rock events. One disadvantage of our system is that relies on artists to add music events to the service.

2 User Stories

2.1 Ferrarelli

- As an artist, I want to create an artist’s profile, so that I can post news about me.
- As an artist, I want to add music events to the service, so that I can advertise my events.
- As a user, I want to see which music event my friends are going to attend, so that I can join them.

2.2 Ferri

- As a user, I want to add other users to my friend list, so that I can see their activities.
- As a traveler, I want a map of the area where the music event will take place, so that I can find bus stops or train stations.
- As a user, I want a news section for the artists I follow, so that I can stay updated.

2.3 Valeriani

- As an artist, I want to post news on the system, so that I can keep my followers updated.
- As a user, I want to reject a friend request, so that I can enhance my privacy.
- As a user, I want a list of suggested artists, so that I can discover new artists.

3 Functional Requirements

3.1 Ferrarelli

- The system shall provide a list of music events hosted in locations in a radius specified by the user.
- The system shall allow the user to add other users to their friend list.
- The system shall provide the list of music events attended by the user.

3.2 Ferri

- The system shall allow the artist to create a new music event, specifying its name, date and location.
- The system shall allow the user to view news of their followed artists.
- The system shall allow the user to remove the participation to a music event, selected by the user.

3.3 Valeriani

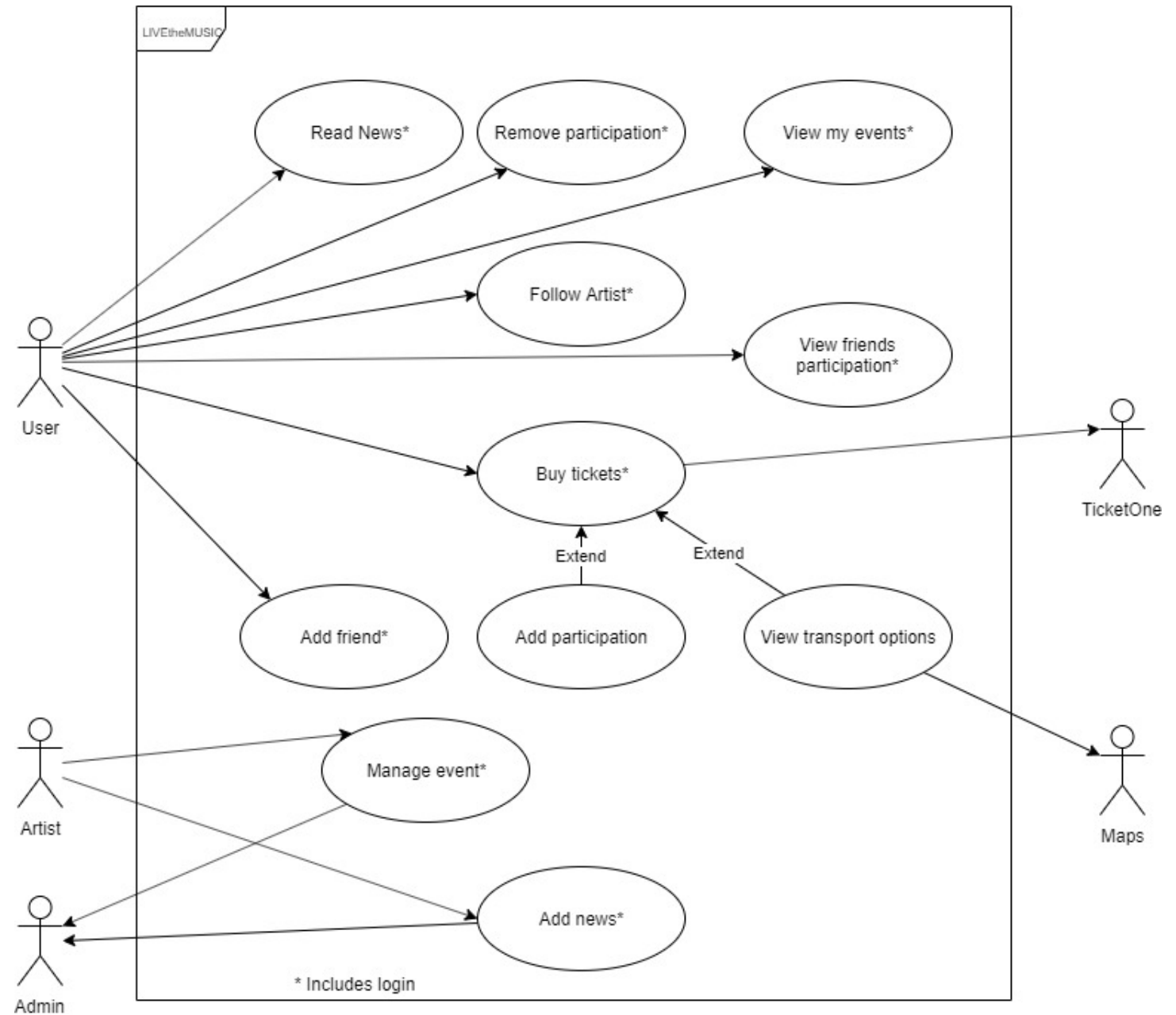
- The system shall allow the user to search for music events, specifying the artist's name.

- The system shall allow the user to add an artist to the list of followed artists.
- The system shall provide the user with a list of suggested music events, based on their friends' participation.

4 Dictionary

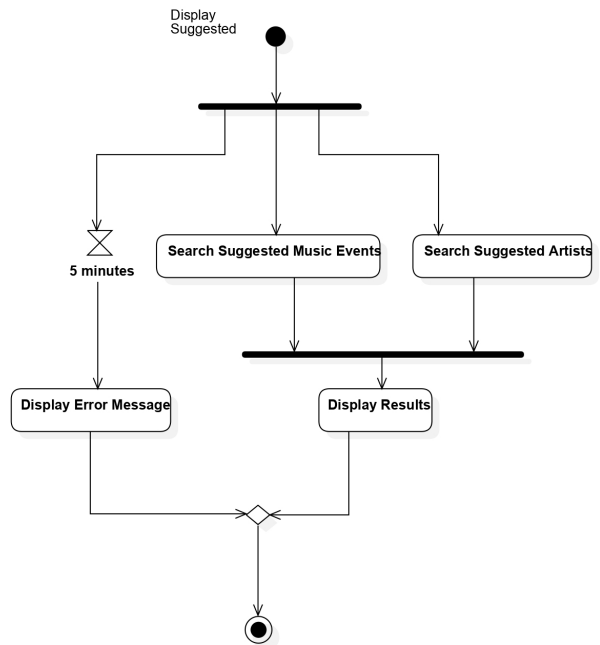
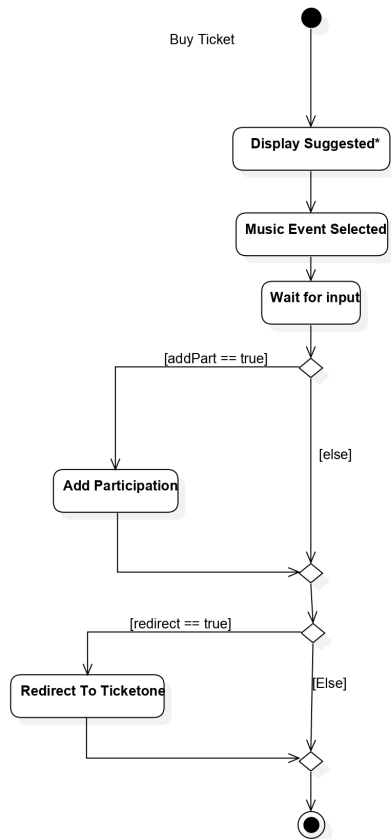
- News section: list of news posted by followed artists.
- Follow: show the news posted by an artist on the user's news section.

5 Use Case Diagram



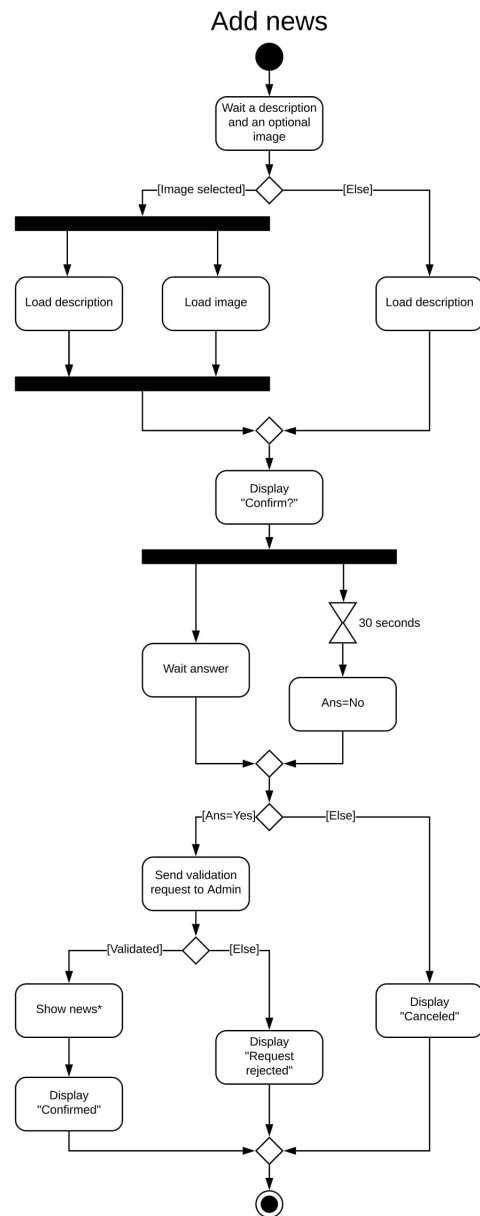
6 Activity Diagram

6.1 Ferrarelli

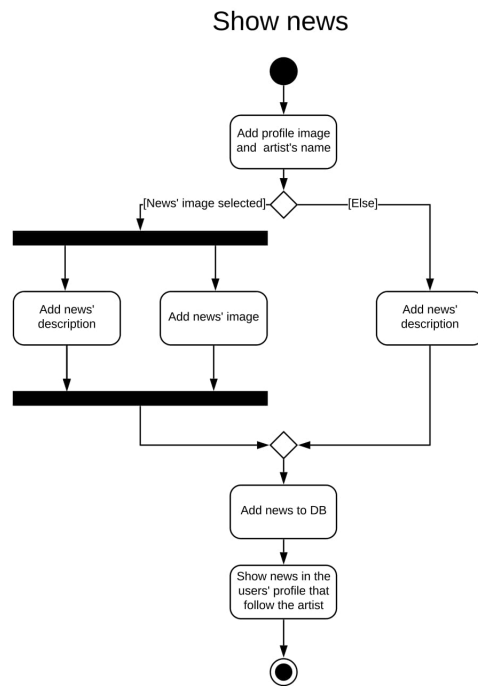


6.2 Ferri

6.2.1

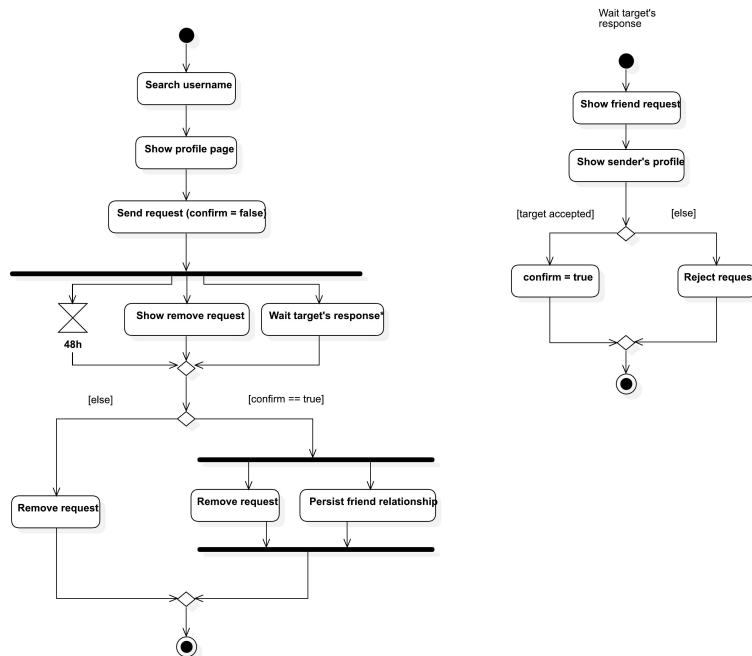


6.2.2



6.3 Valeriani

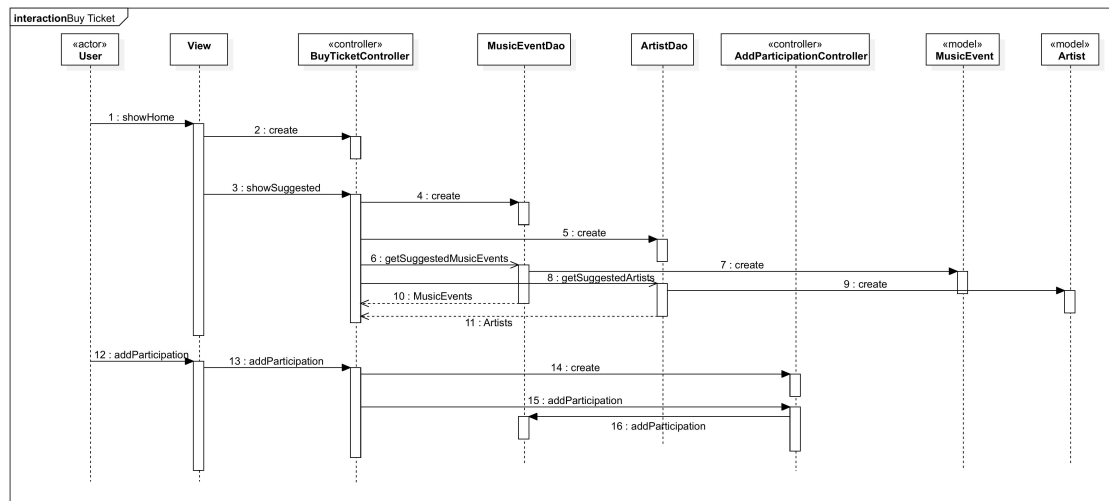
Activity Diagram:
Add friend



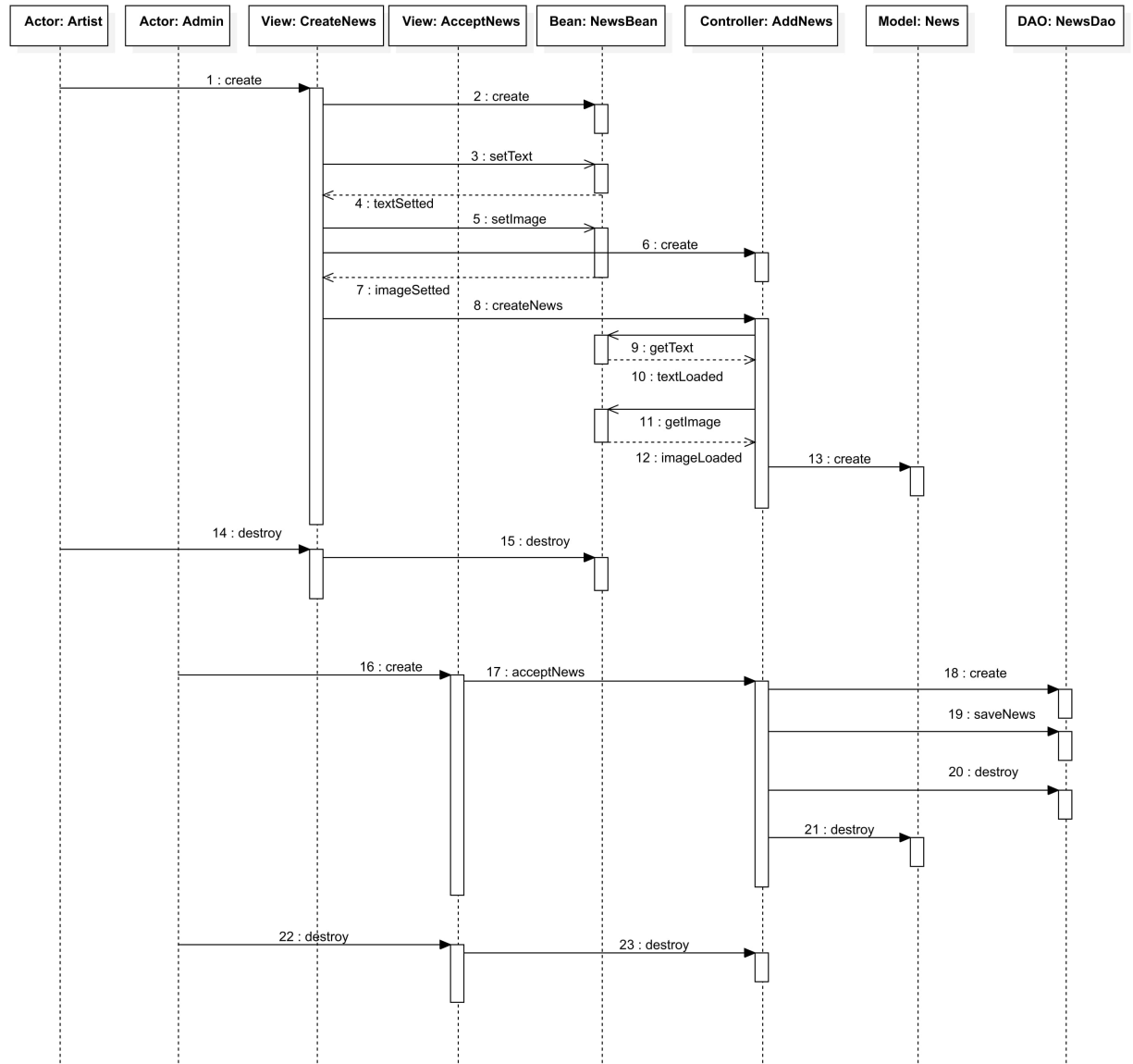
6.4 Extra

7 Sequence Diagram

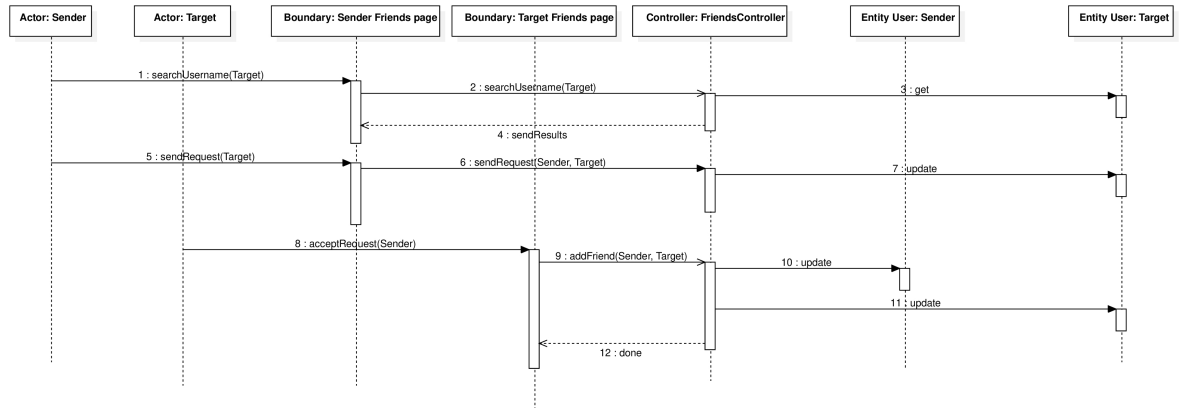
7.1 Ferrarelli



7.2 Ferri

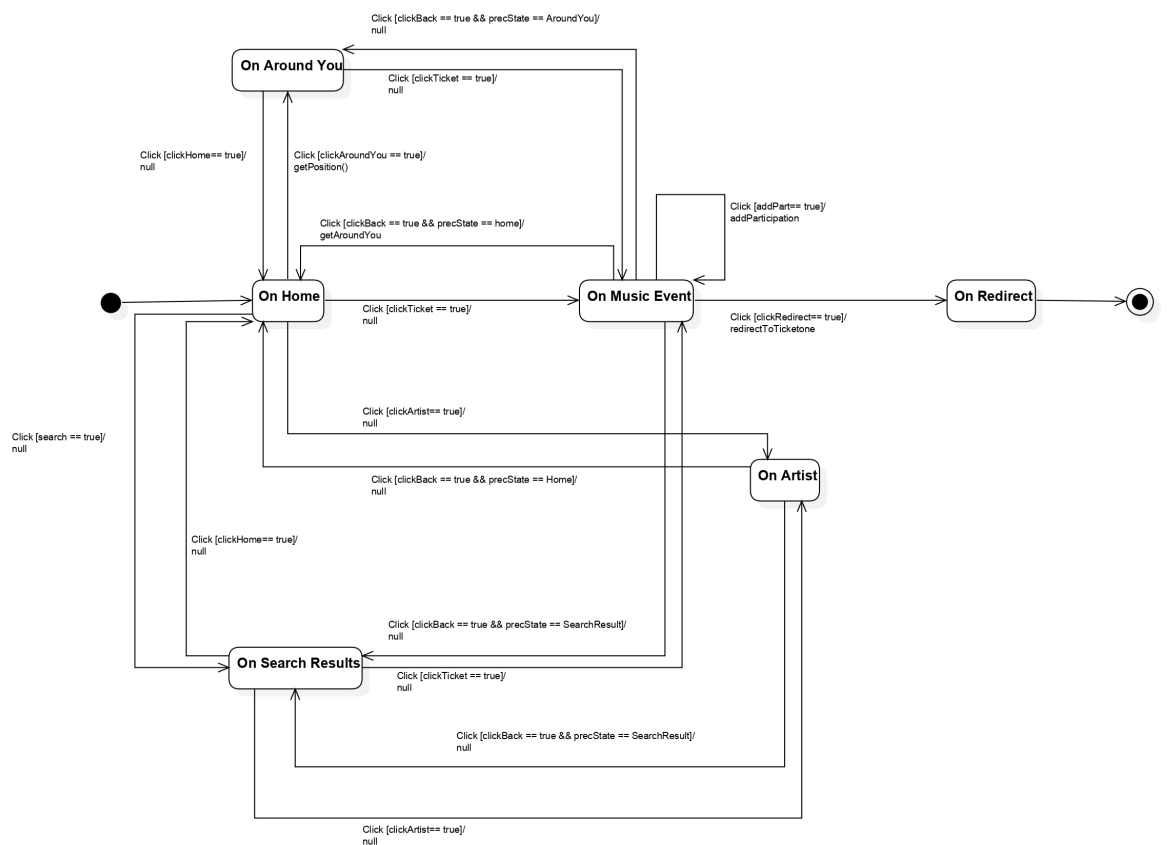


7.3 Valeriani



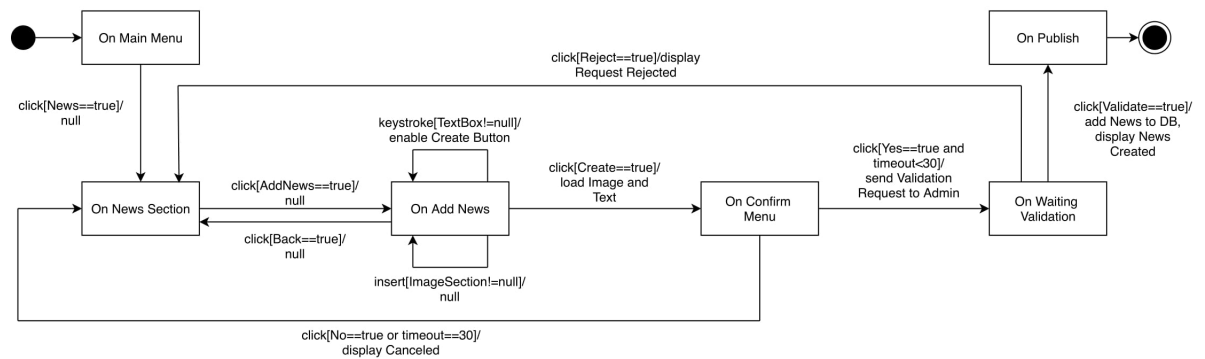
8 State Diagram

8.1 Ferrarelli



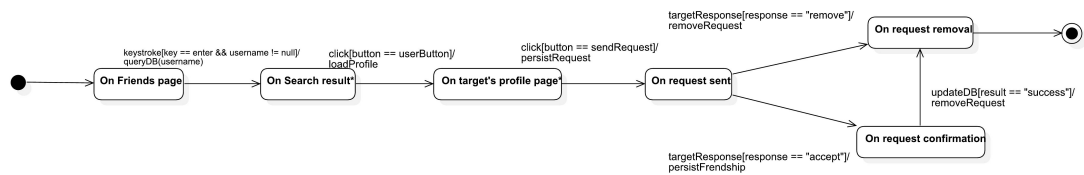
8.2 Ferri

Add news State Diagram



8.3 Valeriani

In order to not trap the user, every state marked with * has a transition to the previous one i.e. click(button == backButton)/loadPreviousState



9 SonarCloud

SonarCloud link https://sonarcloud.io/dashboard?id=ferra-rally_concert-scout