

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

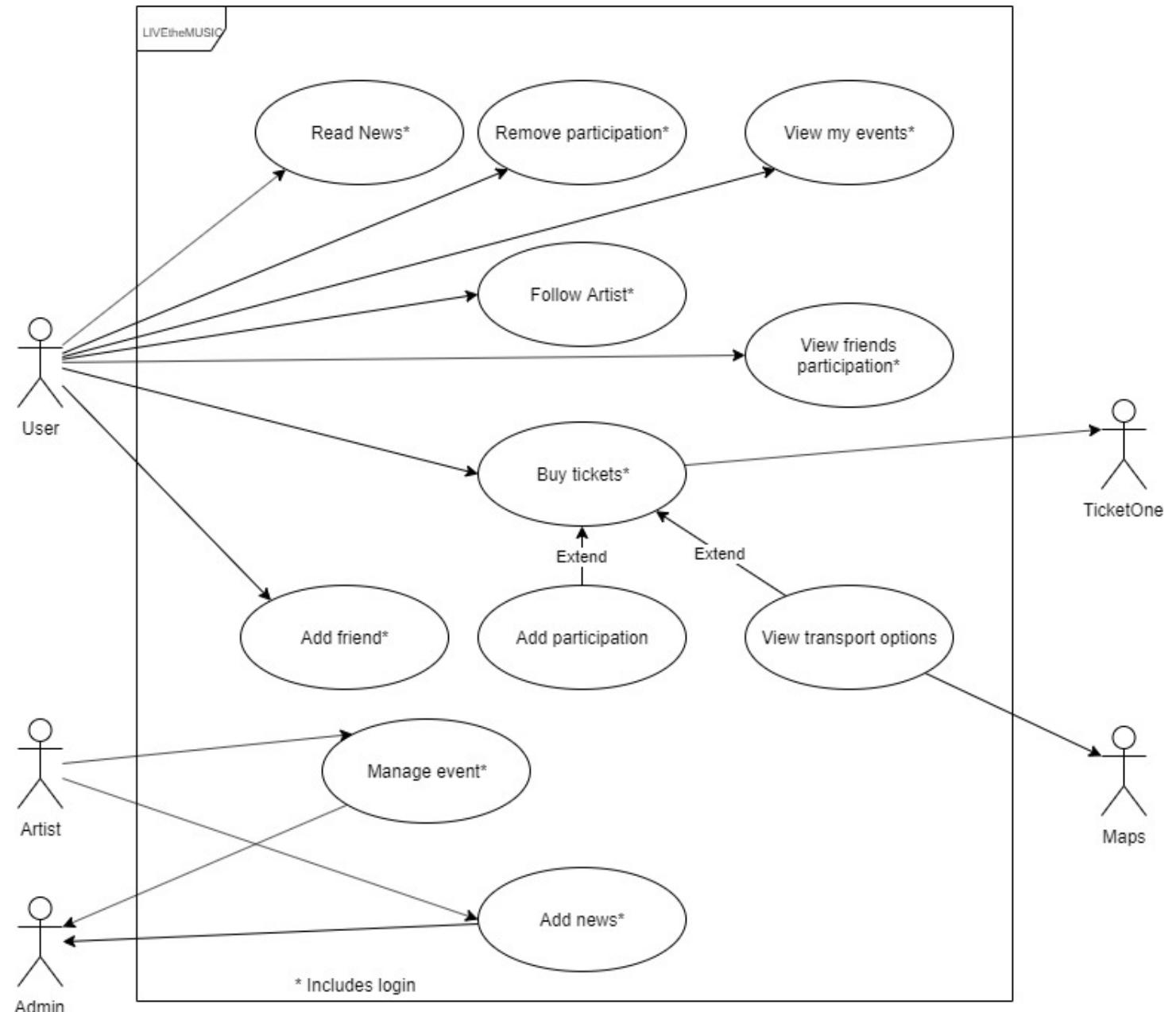
- The system shall allow the user to search for music events, specifying the artist's name.

- 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 Storyboard

The image displays two screenshots of a mobile application interface, likely for a music event booking platform.

Screenshot 1 (Top): This screen shows the main feed or home page. It features a sidebar on the left with a logo (a circle containing silhouettes of hands), the text "LIVE the MUSIC", and navigation icons for Home, News, Favorites, Friends, Around You, and My Events. A search bar at the top right says "Search...". Below the search bar, there are sections for "Suggested Events" and "Suggested Artists". Under "Suggested Events", there are cards for "Book of Souls Tour" (Iron Maiden) and "Black Ice" (AC/DC). Under "Suggested Artists", there is a card for "Foo Fighters". On the right side of the screen, there is a large, faint background image of a band.

Screenshot 2 (Bottom): This screen shows a specific tour detail for AC/DC. At the top, it says "AC/DC" and "Black Ice Tour". Below this, it lists events: "Unipol Arena(BO)" on "20 Giugno" (June 20) at "300 km" from the user's location, with a "Buy Ticket" button; and "Circo Massimo(RM)" on "30 Giugno" (June 30) at "3 km" from the user's location, also with a "Buy Ticket" button. It also shows "1 Friend participating" and a profile picture of "John Smith". The sidebar on the left is identical to Screenshot 1.



LIVE the MUSIC

- [Home](#)
- [News](#)
- [Favorites](#)
- [Friends](#)
- [Around You](#)
- [My Events](#)



Angry Frog

- [Help](#)
- [Settings](#)
- [Logout](#)



Red hot chili peppers 2h ago

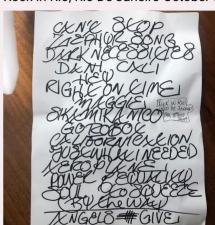
The limited edition #Californication picture disc is now available:





Red hot chili peppers 3h ago

Rock in Rio, Rio De Janeiro October 3, 2019



Around you

↳
Filters: radius: 30km today - 3 Months



Eric Clapton
Roma 20 Giugno



Black Ice
AC/DC
Roma 30 Giugno

LIVE the MUSIC

Home News Favorites Friends Around You My Events

Angry Frog

Help Settings Logout

Followed Events

Ozzy Osbourne

Ozzy & friends(Bologna)
Ozzy Osbourne

Past Events

U2

Milano 2 Agosto 2018

Red Hot Chili Peppers

Roma 15 Giugno 2017

LIVE the MUSIC

Home News Favorites Friends Around You My Events

Angry Frog

Help Settings Logout

Followed Artists

Red Hot Chili Peppers

The image displays three screenshots of a mobile application interface for a music band.

Screenshot 1: Login Screen

This screen features a dark background with a circular logo at the top containing silhouettes of hands raised. Below the logo, the text "LIVE the MUSIC" is displayed in white. A large "Accedi" button is located at the bottom right. On the left side, there are input fields for "E-mail" and "Password".

Screenshot 2: Account Creation Screen

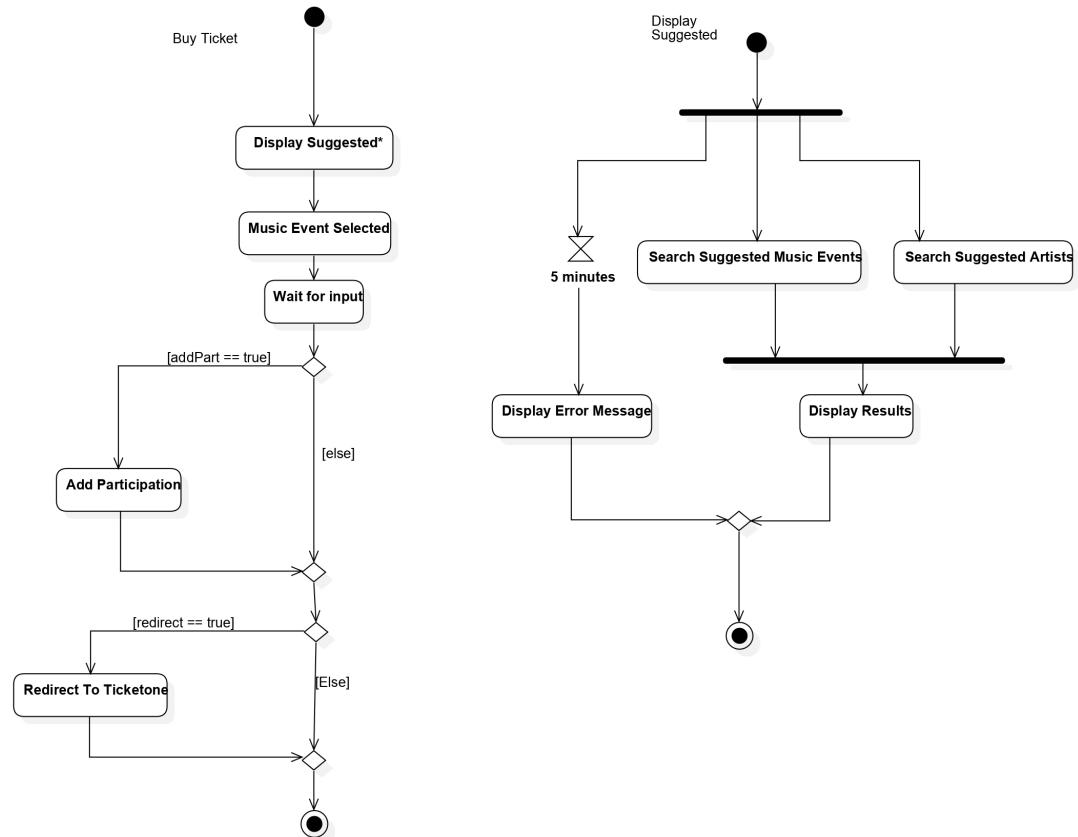
This screen has a dark background with a silhouette of a crowd of people raising their hands. It features a large rounded rectangular form in the center with the title "CREA UN ACCOUNT" in yellow. It includes fields for "Nome", "Cognome", "Nome band", "E-mail", and "Password", along with a "Crea" button at the bottom right. At the top, there is a question "Sei un artista?" with two radio buttons: "SI" (unchecked) and "NO" (checked).

Screenshot 3: Home Screen

This screen shows a light-colored background. On the left, a sidebar contains the "LIVE the MUSIC" logo, navigation links for "Events" and "News", and a profile section for "Angry Frog Band" featuring a circular profile picture. The main area is titled "My Events" and shows a thumbnail for "Angry Frog Band Rome Tour". Below it is a section titled "Past Events" showing a thumbnail for "Angry Frog Band Milan Tour". A search bar at the top right contains the placeholder "Search...". A "+ Add Event" button is located in the top right corner of the main content area.

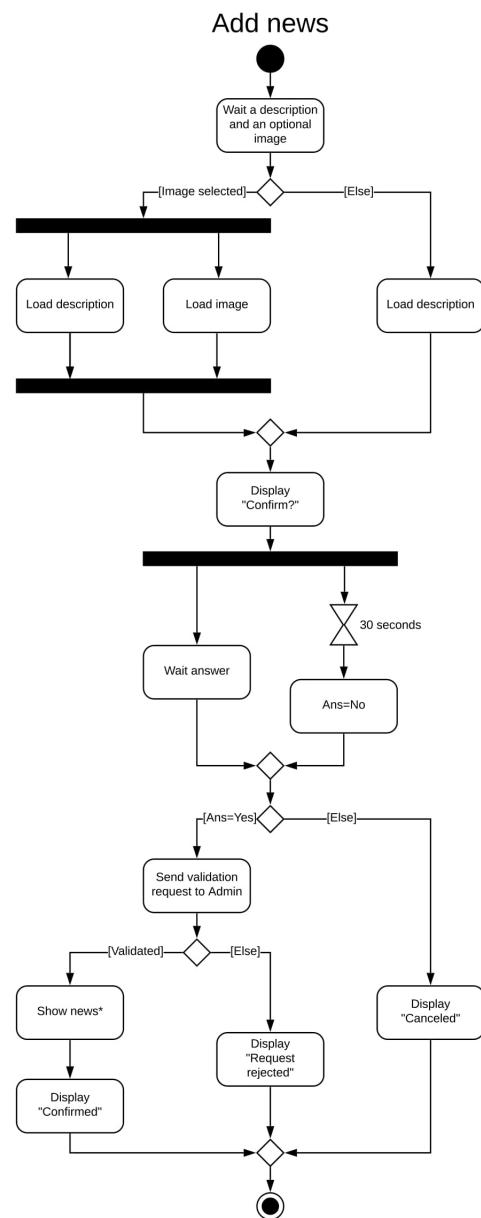
7 Activity Diagram

7.1 Ferrarelli

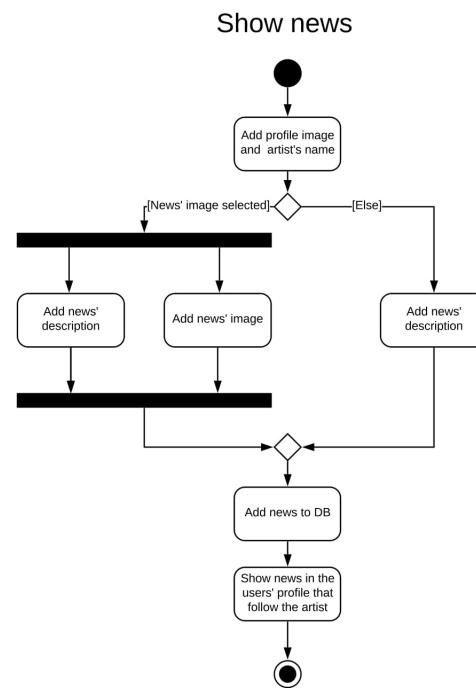


7.2 Ferri

7.2.1



7.2.2

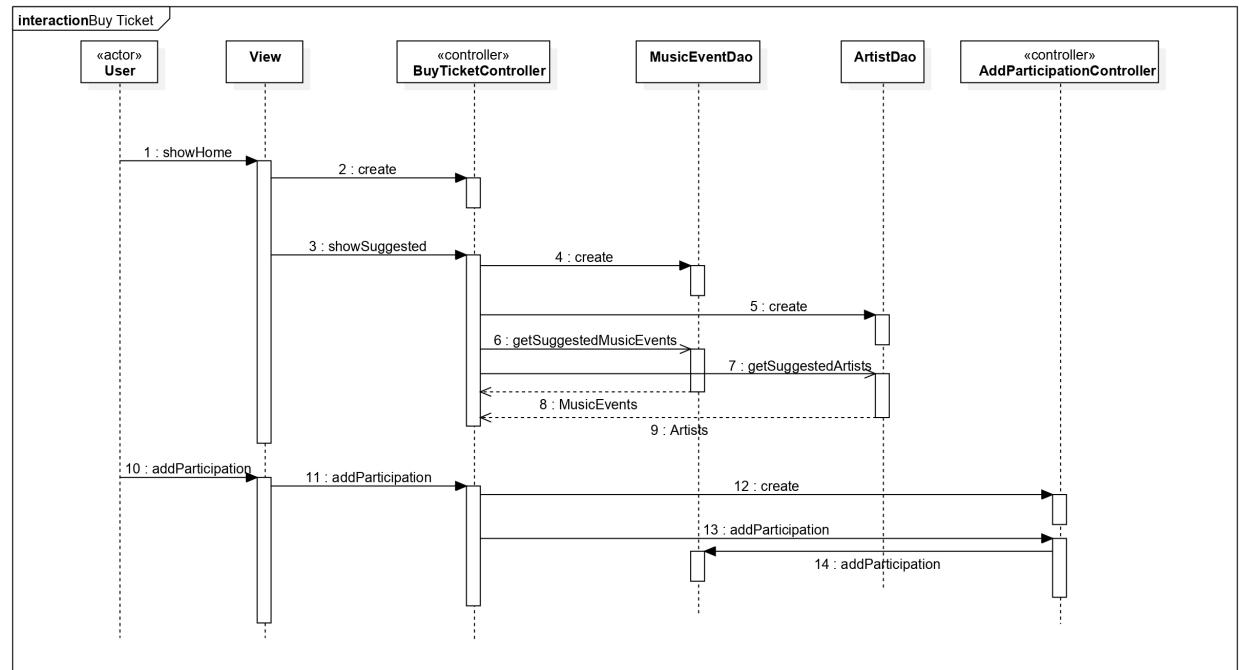


7.3 Valeriani

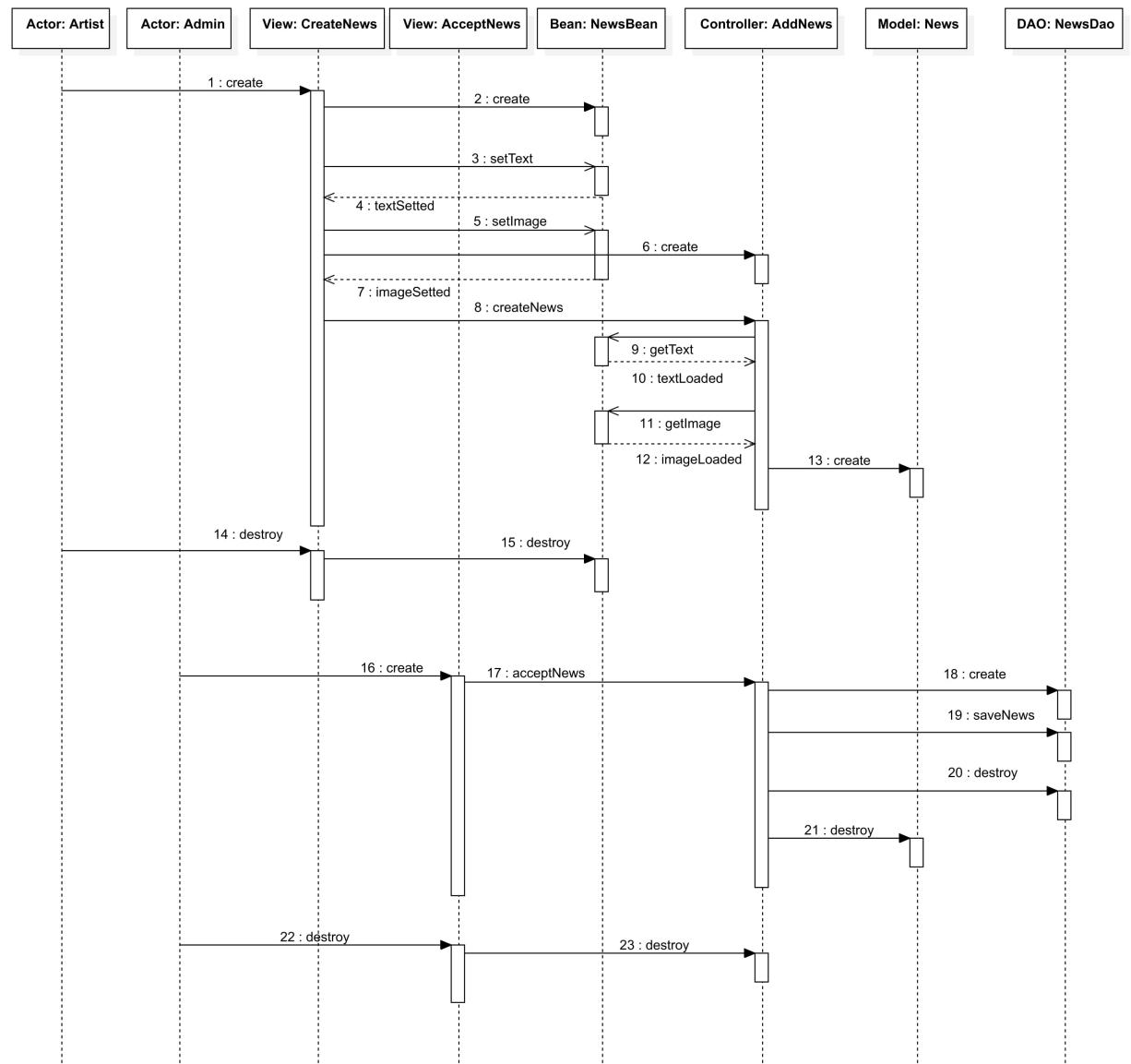
7.4 Extra

8 Sequence Diagram

8.1 Ferrarelli



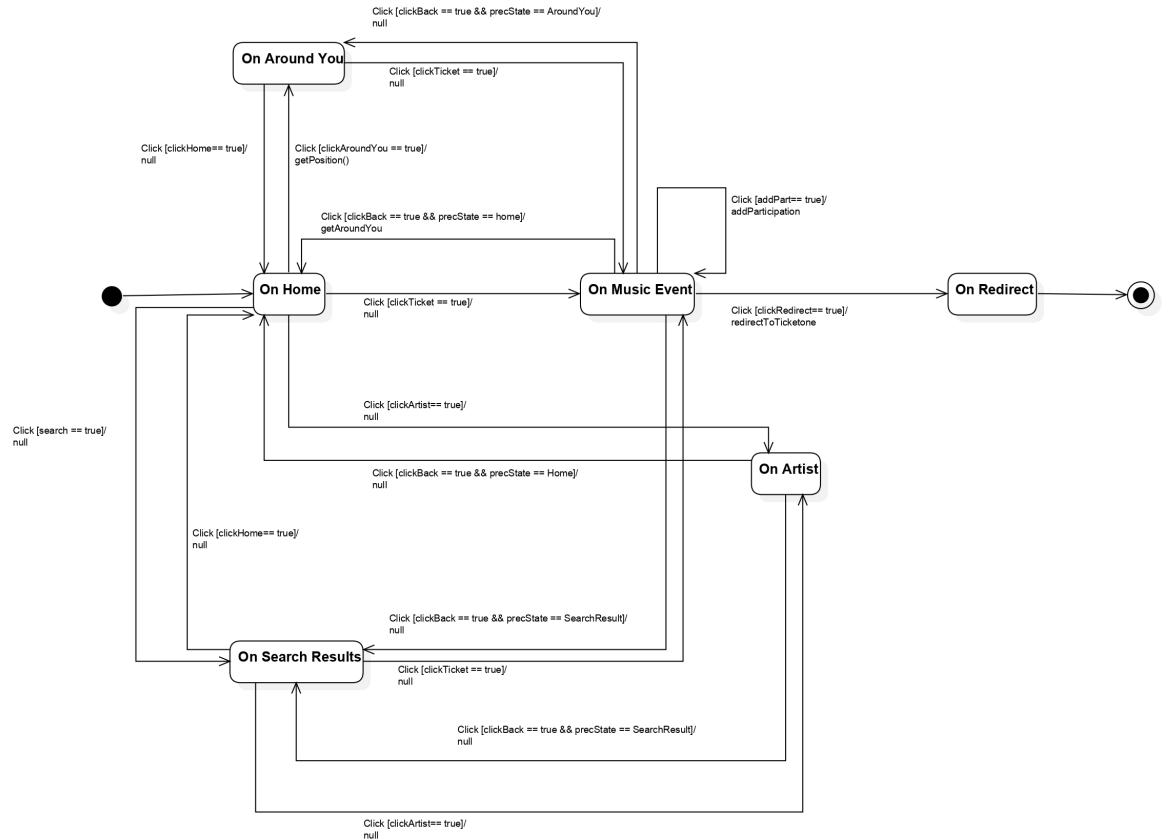
8.2 Ferri



8.3 Valeriani

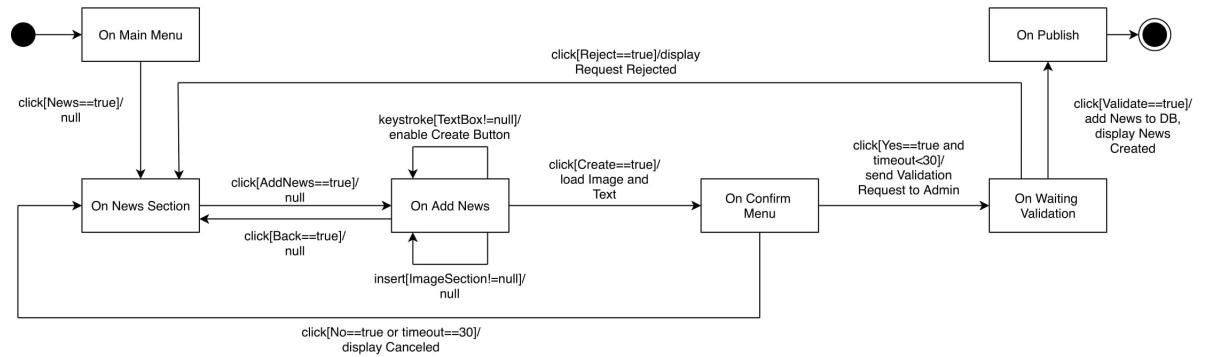
9 State Diagram

9.1 Ferrarelli



9.2 Ferri

Add news State Diagram



9.3 Valeriani

10 SonarCloud

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