

## **LIVE the MUSIC**

Software requirement specification

**Emanuele Donato, Daniele Ferrarelli, Marco Ferri**

# **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 of users’ friends will participate in a music event.

## **1.3 Operational settings**

“LIVE the MUSIC” should run on any Operating System and browser that supports the Java Environment.

## **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 Donato**

- As a user, I want a home section, so I can find a recommended event.
- As a user, I want to search for music events.
- As a user, I want to visit a specific artist’s profile, so that I can find his news and events.

## **2.2 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 hosted events.
- As a user, I want to see which of my friends are going to attend a music event, so I can join them.

## **2.3 Ferri**

- As a user, I want to buy tickets, so I can search for the event only once.
- As a traveler, I want a map of the area where the music event takes place, so I can find bus stops or train stations.
- As a user, I want a news section for the music event I go to, so I can stay updated.

# **3 Functional Requirements**

## **3.1 Donato**

- The system shall allow the user to add an artist to the list of followed artists.
- The system shall show to the users the music events of users' favorite artists and the music events they might like.
- The system shall allow the user to add his participation to an event, selected by the user.

## **3.2 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 the friend list.
- The system shall provide the list of attended music events by the user.

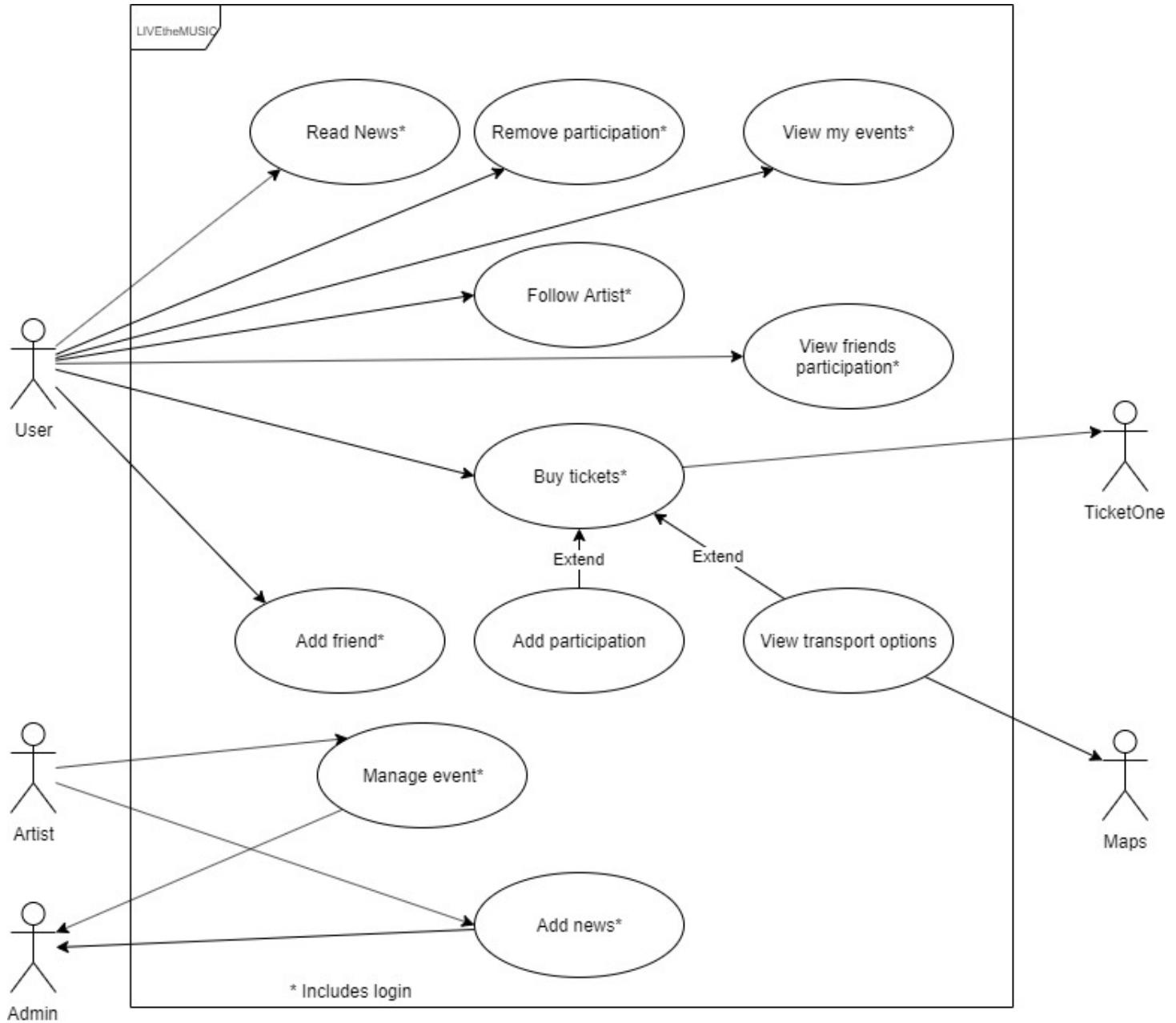
### **3.3 Ferri**

- The system shall provide artists the insertion of a new event, selecting the date and the location of the music event.
- The system shall provide artists to add news about them on a news board inserting a message and an optional image.
- The system shall allow the user to remove the participation to an event, selected by the user.

### **3.4 Extra**

- The system shall provide all users the view on-screen of user's friends that take part in an event, selected by the user.
- The system shall allow users to view news about their followed artists.
- The system shall provide users links to TicketOne of the selected events.
- The system shall allow the users to search for music events, specifying location or artist's name.
- The system shall provide a map of the music event in the area, highlighting means of transport.
- The system shall allow the artist to label an event as canceled or postponed.
- The system shall provide a list of events in a radius and/or time period specified by the user.

## 4 Use Case Diagram



## 5 Storyboard

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

**Screenshot 1 (Top):** This screenshot shows the main home screen of the app. On the left is a dark sidebar menu with the following items:

- LIVE the MUSIC logo
- Home (highlighted)
- News
- Favorites
- Friends
- Around You
- My Events
- Angry Frog (profile picture)
- Help
- Settings
- Logout

The main content area features a search bar at the top. Below it are sections titled "Suggested Events" and "Suggested Artists".

- Suggested Events:** Shows two event cards:
  - Book of Souls Tour by Iron Maiden (with a plus icon to add participation)
  - Black Ice by AC/DC (with a plus icon to add participation)
- Suggested Artists:** Shows a card for Foo Fighters (with a plus icon to add participation).

**Screenshot 2 (Bottom):** This screenshot shows a specific tour page for AC/DC's "Black Ice" tour.

The sidebar menu is identical to the one in Screenshot 1.

The main content area features a large banner image of the band AC/DC. Below the banner, the tour name "Black Ice" is displayed.

Below the tour name, there is a back arrow button labeled "Black Ice Tour".

Event details are listed:

- Events: Unipol Arena(BO) on 20 Giugno (June 20). Includes a location pin icon (300 km away), a Google Maps icon, and a red circular icon with hands. A yellow "Add participation" button is present.
- Events: Circo Massimo(RM) on 30 Giugno (June 30). Includes a location pin icon (3 km away), a Google Maps icon, and a green circular icon with hands. A yellow "Remove participation" button and a message "1 Friend participating" are present, along with a profile picture of "John Smith".



**LIVE the MUSIC**

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


Angry Frog

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



Red hot chili peppers 2h ago

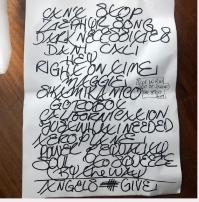
The limited edition #Californication picture disc is now available:





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

Followed Events

Ozzy Osbourne  
Ozzy & friends(Bologna)  
Ozzy Osbourne

Past Events

U2 Milano 2 Agosto 2018  
Red Hot Chilli Peppers Roma 13 Giugno 2017

Angry Frog

Help Settings Logout

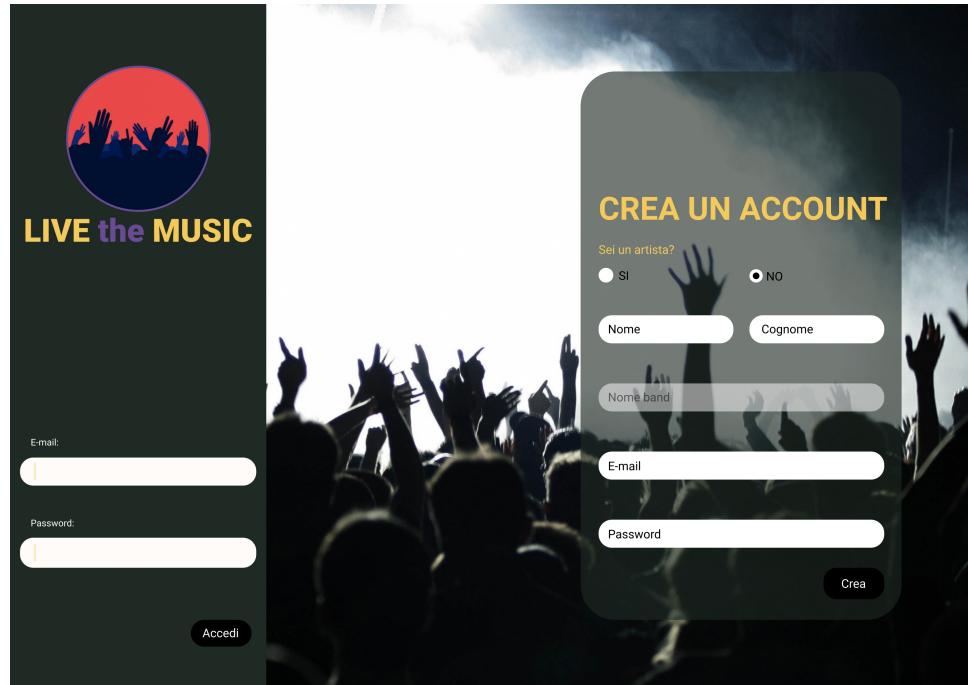
LIVE the MUSIC

Followed Artists

Red Hot Chili Peppers

Angry Frog

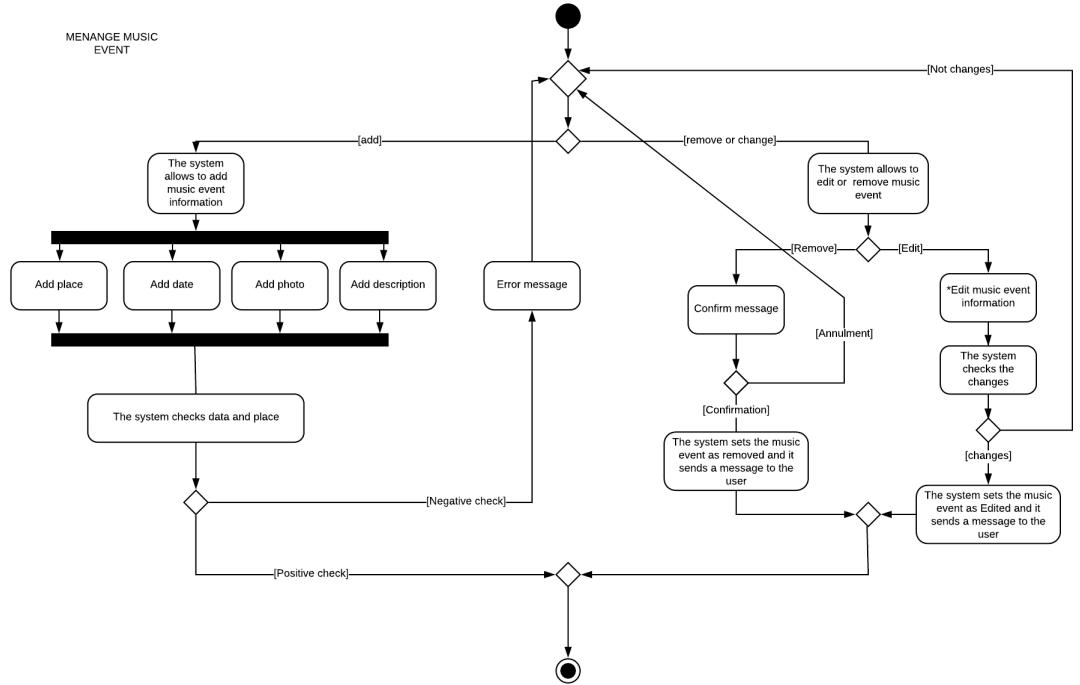
Help Settings Logout



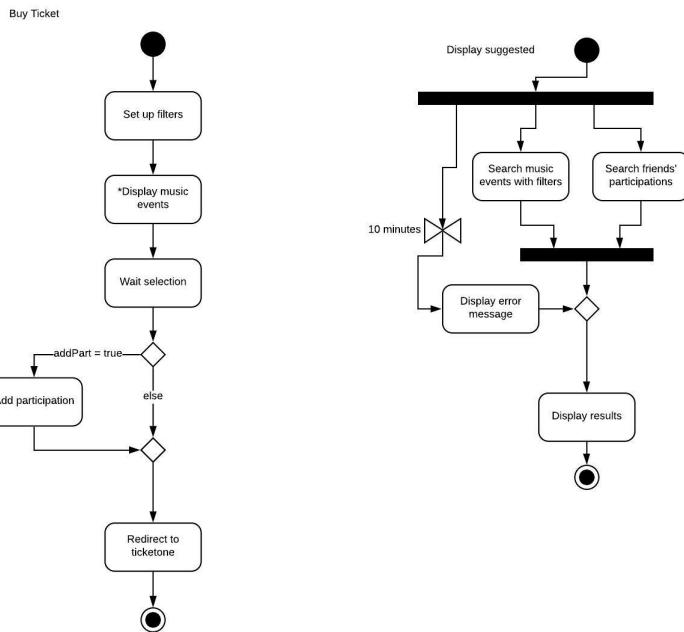
The image shows the dashboard screen for the "Angry Frog Band" user. The left sidebar is black with the "LIVE the MUSIC" logo at the top. Below it are links for "Events" (with a calendar icon) and "News" (with a newspaper icon). The main content area has a white background. At the top right is a search bar with a magnifying glass icon and the placeholder "Search...". In the top right corner of the main area is a "+ Add Event" button. The "My Events" section shows a thumbnail of a concert stage with green lights and the text "Angry Frog Band Rome Tour". The "Past Events" section shows a thumbnail of a performer on stage and the text "Angry Frog Band Milan Tour". At the bottom of the sidebar, there is a circular profile picture of the band, the text "Angry Frog Band", and three navigation icons: "Help" (question mark), "Settings" (cogwheel), and "Logout" (arrow).

## 6 Activity Diagram

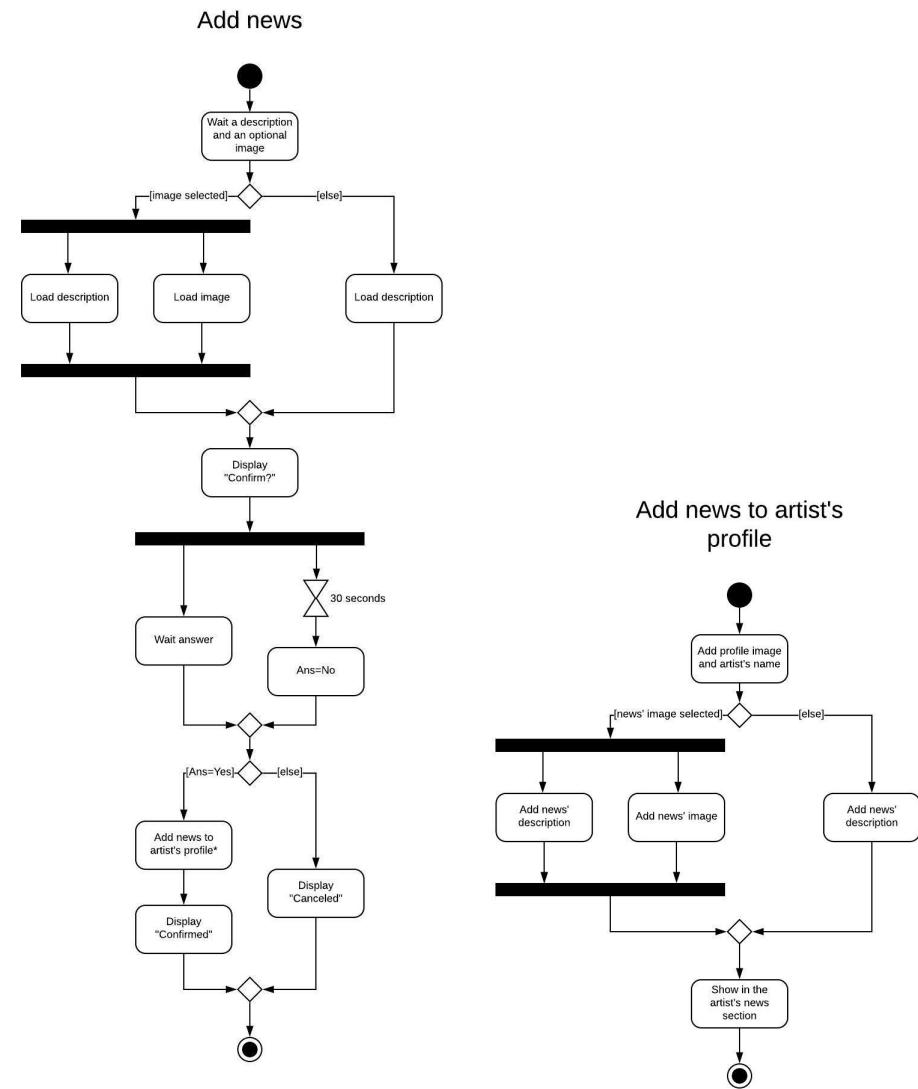
### 6.1 Donato



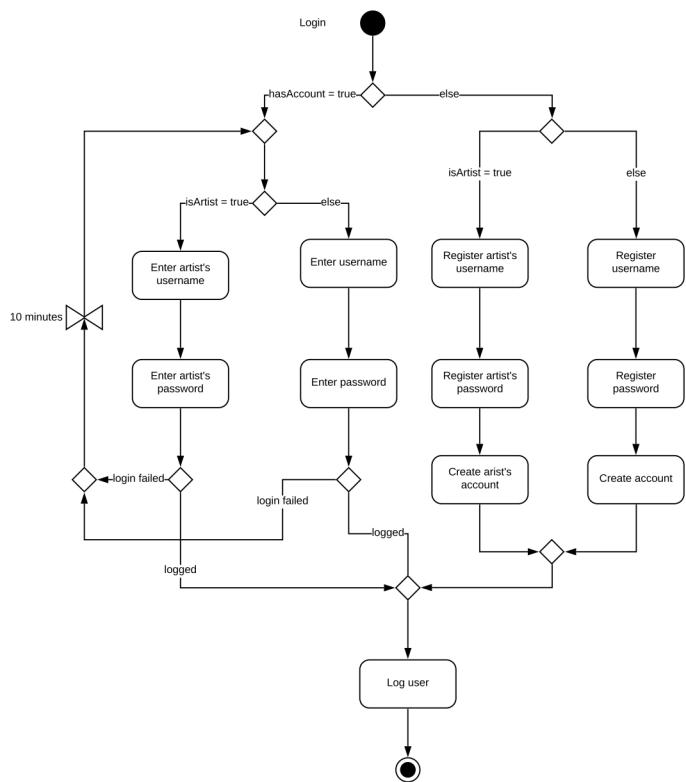
## 6.2 Ferrarelli



### 6.3 Ferri



## 6.4 Extra



## 7 SonarCloud

**SonarCloud link** <https://sonarcloud.io/organizations/ferra-rally/projects>