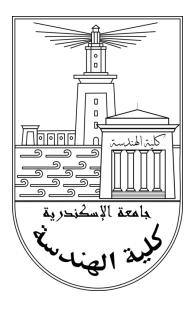Faculty of Engineering, Alexandria University
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Software Engineering Project Proposal 2019

Music Zone: An Online Virtual Music Listening Platform

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PROJECT OVERVIEW

"If I were not a physicist, I would probably be a musician. I often think in music. I live my daydreams in music. I see my life in terms of music." — Albert Einstein

Music Zone is an online platform that allows its users to search for plain music according to their preferences and explore the new music in the market. The service can be accessed from an online web application.

Tagging is the heart of our application. Users can tag any music in the system, can add any music to their favorites.

PROJECT MILESTONES

Milestone 1:

In this milestone, we will explore the framework we will be working with. Asses each member ability on the contribution to the project. We will try to minimize the learning time to the new technology.

We will work on:
- The system architecture.
- The main components design.
- The class diagram.
- CRC cards

Milestone 2:

In the second milestone, we will work on the following functionalities:

1. Admin Login
2. Admin functionalities:
   a. Adding a music track to the system.
   b. Editing a music track information.
   c. Deleting a music track from the system.
   d. Play the uploaded track.

Milestone 3:

In the third milestone, we will work on adding the following functionalities:

1. User signup
2. User login
3. Adding tag system to label music either initially when uploaded or by users.
4. User functionalities:
   a. Implement user interface that allows user to choose initial preferred tags.
   b. Show music based on the music favorite tags.

Milestone 4:

In the fourth milestone, we will work on adding the following functionalities:

1. User can change his information, i.e. name, email and preferred
2. User can search for music based on the tags and title.
3. User can choose a music track to play.
4. User can label or tag any music track on the system.
5. User can like or add a track to his favourite library.