**SOFTWARE ANALYSIS PROJECT**

**<Question Answering>**

There are many music listening platform on the market. Spotify the largest of these platforms. Spotify is constantly growing and updating by making agreements with other companies. Songs of newly released singers can be upload to many platforms with different qualities, however Spotify is a corporate company and they have organized the music and their quality. Spotify restricts this to copyright only Spotify has a detailed search menu for songs but doesn’t have much information about singers. This information is only superficial. Our project which we make, help to Spotify hold singers information. We can allow use together these information.

**BUSINESS OPPORTUNITY**

This program will be used by two types of users according to our opinion.

Actors: Listener Producer Companies

Spotify attracts a lot of users. This layout needs innovations to be continuous. For this reason people can be used our information software. Listener can be reach more information about singers clearly and quickly. If there is movement, there must be music. Therefore companies are constantly seeking music. Companies should be able to reach the singer as well. These singer information are scattered. Our program collect together these information. Accompanied by this information, companies offer to listeners. These offers can be used commercial purpose. Such as movie, advertising, tv series etc. Our program helps to companies choices with their specification.

**KEY HIGH LEVEL GOAL AND PROBLEMS OF THE STAKEHOLDER**

Our project domain is not only singers, but also a system that includes all other individuals. Such as football players, movie artists, politician etc. As result of having this information, control the big data for commercial purposes. We want to dominate the personal information market in the future stages of the projects. This information is too much and mixed. The accuracy will not be guaranteed.

**SUMMARY OF THE BENEFITS**

Information which is related to singers scattered on the Internet. Users can access information quickly. This program helps producer companies to decide for their own projects.

**ASSUMPTIONS AND DEPENDENCIES**

 Spotify provides information parts related to music.

 Wikipedia provides information parts related to singer personal data.

They are available on Internet for free and we expect it to continue this way.

**THE PROCEDURES OF USE CASE:**

**Step 1: Choose the System Boundary**

For this case study, the API system itself is the system under software design; everything outside of it is outside the system boundary.

**Steps 2 and 3: Find Primary Actors and Goals**

Actor: Goal:

Listener Get information Interest singers Get data for their curiosity

Producer Company Get information Satisfy the user’s demands

**Step 4: Define Use Cases**

In general, define one use case for each listener goal. Name the use case similar to the user goal for example, Goal: get information; Use Case: Music Marketing.

**DEFINING OF USE CASE NAMES**

Who is the singer? Tell something about the singer

How many followers does singer have?

What is the type of the singer?

What’s the birthday of the singer?

**FULLY DRESSED STYLE**

**Use Case 1:** Ask questions about artists

Scope: API and information application

Primary Actor: Listener

**Stakeholders and Interests:**

Listener: User wants to know about the singer.

Producer Company: help to research about singer information.

**Precondition:** Users have to get information from Spotify about singers’ personal data etc. These

must be correct information

**Success Guarantee (Postconditions):** Sale is saved. Tax is correctly calculated. Accounting and Inventory are updated. Commissions recorded. Receipt is generated. Payment authorization approvals are recorded.

**Main Scenario:** The user asks to the program what information it should get. Then the program tries to respond to user according to demands,

**Use Case 2:** Enter data to database

**Use Case 3:** Get data from Internet