

GOT TALENT WEBSITE

SRS

Introduced By

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INTRODUCTION

●Executive Summary

Got talent is an online website offering huge material and service to everyone. website Combine different nationalities, the website allows talented people from different talents like (art, carving, writing, graphics, ..., etc.) to have his/her own profile and contact each other and can show their works, people can see their works and rate them, also they can rate each other.

● Document Overview

This document introduce Got talent. It introduce technical description it describes the system's functions and how it will work with other system and provide system functional and nonfunctional requirements .

● Abbreviations and Terminologies

System Description

- Introduction

The system allows to make one profile for each one, they can upload their works on it as image or pdf file. The system also shows related educational videos and the most popular people that related to him/her talent and their works. Also the system allows to anyone to draw as free hand.

Got Talent system introduces talented people and show their works. The system offer Learning services to users via web-based.

- Modules & Users

- Data base : the system stores the data of users their info and the learning videos and documents.
- Login page : everyone in the system can access the site by the login page.
- Profile : everyone in the system have his/her profile which contains info about this person.

- Learning Area : It is the main page in the system that provides learning materials like videos and articles that related to user talent or interests. The user can also search about a certain title to reach a certain learning material related to any talent.
- Gallery : Everyone will be able to see his/her works in Gallery section after adding it and able to see other 's works also.
- My works page : Anyone have a profile can add new work in my works page. When he uploads his work, it will appear in my works page.

System Users

(to be modified)

- User Description

- Provide user description

Got talent is an online website offering huge material and service to everyone. website Combine different nationalities, the website allows talented people from different talents like (art, carving, writing, graphics, ..., etc.) to have his/her own profile and contact each other and can show their works, people can see their works and rate them, also they can rate each other. Anyone have any talent can make one profile to show his works to the people who interested in. During creating the profile he need to select the talents which he is interesting in, to the system be able to show him related educational videos which be more useful for him.

- List user activities

- The user register in our system
 - Update his/her profile
 - Log in
 - Upload his/her works
 - Can show other talents work
 - Can show the famous people's work in his/her talent/interests
 - Can take some courses
 - Can search about any thing he/she interested in

System Modules

(to be modified)

The system consists of following modules:

1. Storage.
2. Data Processing.
3. Data Analytics.
4. Indexing.
5. General User Area.
6. Learning Area.
7. Security.

Storage System uses storage for:

- Learning materials (videos, articles, ... etc.).
- System configurations, users information for Profiles.
- Indexing storage to support full text search engines. Storage uses MYSQL database, MySQL enables data to be stored and accessed across multiple storage engines, including InnoDB, CSV, and NDB. MySQL is also

Storage

Data Processing

Data Analytics

Indexing Security

General user Area Learning Area

capable of replicating data and partitioning tables for better performance and durability.

Data Processing: Data processing module is responsible on providing all data related services like data classifier and multimedia processing.

Data classifier is required to allow better reaching to useful information and improve the quality of learning material.

Multimedia processing is required to enhance the quality of multimedia contents like images, audio and video. It converts multimedia contents to unified format. Also, this service is required to detect some features required by data classifier service.

Data classifier is required to classify the contents which is important to avoid nonappropriate material.

The classifier uses information entered by user about his/her interests.

Data Analytics: Talents System holds huge amount of data which includes Learning materials, user's information. This module is important to study the contents and produce very useful result. Basically, this module support following data analytics:

User information analysis to provide the user with useful videos and the most popular works related to his/her Talent.

Talents analysis to classify the talents to make the user easy to reach to the wanted materials to achieve the main target from our website

Indexing This module is responsible on indexing textual contents to allow internal full text search queries. Full text search is used by final users to find certain contents.

General User Area This module provides user with main system activities like display an online portfolio to his/her works and have rating on it from others. In online portfolio user can add or delete, show or hide his/her work.

In Addition, user can display the most popular people works related to the user talent. User can view others works and rate it also.

Also, users can edit their profiles and view other user's profiles.

Learning Area: This module provides user with the most useful learning materials like videos and articles that related to user talent or interests.

The user can also search about a certain title to reach a certain learning material related to any talent.

Security Security module is responsible on user data authentication. User can register/login using emails.

Security module also, responsible on validate user information before registration or login, managing the permissions and roles to protect users works and prevent any violation on it.

Security module also, responsible on detecting the threats and preventing any SQL Injections.

● **Module Description** ○ Module description ○ Block diagrams ○ Context diagrams ○ Activity diagram ○ State machine diagram ○ Data flow diagram



System Functions

Common Module Functions

search Function

Description : this function allow the user to search .

Inputs: text.

Outputs: files (photos, videos, pdf)related to input text.

Pre-conditions: the user must have sign in.

Registration Module Functions

Sign up Function

Description : the user enters the basic info about himself / herself .

Inputs: the user info as name ,password ,email ...etc.

Outputs: this info is stored in database of the system.

Pre-conditions: the user must have email to be able to sign up into system .

Sign in Function

Description : the user enters his mail and password to login.

Inputs: the user email & password.

Outputs: open the user profile.

Pre-conditions: the user must sign up before.

HOME Module Functions

Build up my profile Function

Description: the user updates his /her profile according to his/her talent and interested hobbies .

Inputs: the user talent.

Outputs: the related files(photos, videos and pdf) to his/her talent to be added in home page.

Pre-conditions: insert user talent or interested .

My work Functions

Upload Function

Description: the user uploads his/her works.

Inputs: photos, videos and pdf.

Outputs: files to be uploaded in my work page.

Pre-conditions: this function required an account on the system .

Gallery Functions

Suggested topics Function

Description: suggested topics form famous people that related to his /her talent to be added in gallery page as more source to help the user.

Inputs: the user talent .

Outputs: more topics to be added in gallery page.

Pre-conditions: the user have to build up his/her profile .



System Models

(to be modified)

- Important Use Cases
- Important Sequence Diagrams

Non-Functional Requirements

● Security

- Login / Access levels
- Create, Read, Update, and Delete (CRUD) levels.
- Access permissions for application data may only be changed by the system's data administrator
- Password requirements – length, special characters, expiry, recycling policies, 2FA
- Inactivity timeouts – durations, actions, traceability
- System data backed up every x hours and copies stored in a secure off-site location
- Data Classification : All Data must be protectively marked and stored / protected.

● Usability

- User Standards (**Look / Feel**)
- Internationalization / localization requirements – languages, spellings, keyboards, etc.
- People with no training and no understanding of English shall be able to use the product.
- At least 80% of customers polled after a 3 months usage period shall rate their satisfaction with the system at 7 and more on a scale of 1 to 10.

● Performance

- **Response times** – application loading, browser refresh times, etc.
- **Processing times** – functions, calculations, imports, exports.
- **Query and Reporting** times – initial loads and subsequent loads, ETL times.

● Legal

The website deals with copyright, data protection, e-selling, accessibility, certification, licensing, and regulatory issues in order to meet legal standards.

● Documentation

- User Documentation
- Help?
- Training Material

● Integrity

- Application Integrity
- Data integrity – referential integrity in database tables and interfaces
- Information Integrity – during transformation

● Reliability

System is able to perform its required functions under stated conditions for a specific period of time.

● Ethical

The website is considering ethical issues such as ownership ,rights to privacy and risks surrounding data retention.

Domain Requirements

In our growing society, education has become the top priority for every child and parent. An education can provide the knowledge necessary when it comes time for the real world! With these new education domains, it's easier to reach out to potential students. The website helps them to begin their journey to find out their talents .