Software Requirement Specification (SRS)

Project Title: RedditReels

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Subject : SDP

Batch : B4

Aim : Write SRS for Project Video making Software

Repository : https://github.com/hardik88t/RedditReels

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Introduction

This document details the project plan for the development of “RedditReels”.

This plan will include a summary of:

* how the system will function
* the scope of the project from the development viewpoint
* the technology used to develop the project, and
* the metrics used to determine the project’s progress
* Overall Description

This tool can be used to make and upload contents automatically from anywhere. It will only require effort until setting it up and can be used easily with web interface.

Intended Audience

The **Users** will be **General public** and **Content Creators** as anyone can use it easily.

Intended Use

It is intended for Content Creators. Which can be used to automate making of videos from contents from Reddit, and upload it on YouTube.

To be used to make videos.

Functional Requirements

R1. Enter Credentials

Description :

Provide the authentication information for APIs of Reddit and YouTube.

Input : User Input

R2. Get Video Details

Description :

Enter the details about the video including :

* Background video choice
* Audio voice Choice
* Video Theme
* Video Length
* Content Selection
* Content Restriction
* Other control details

Input : User Selection and Input with GUI

R3. Make Audio

Description :

Make Audio for video from the text taken from Reddit.

Input : Text and Audio voice chose

Output : Audio generated and saved in temp file

R4. Make Video Visual

Description :

Make Visual By taking clip from Background and posting screen shots of content.

R5. Making Video

Description :

Combine the audio with visuals with proper timing and create final video.

Input : Audio clips and visual

Output : Final video and deletion of temporary files

R6. Upload Video

Description :

Upload the video to YouTube via YouTube API.

Input : Finished Video

Output : Upload on YouTube

User Interfaces

* Front-end software: React
* Back-end software: REST API in python

Hardware Interfaces

All devices (Android, iPhone, Windows, Linux, Mac) through web browser

Non-Functional Requirements

N.1 : Usability

The interface should be easy to learn without a tutorial and allow users to accomplish their goals without errors.

Good GUI and High performance in network traffic and stress testing.

N.2 : Security

Can ensure and preserve information of users.

N.3 : Web-support

It should be possible to access the system from any place by using a web browser.