



Transcription Management System

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ABSTRACT

Transcription Management System automates an entire workflow of voice and transcripts files with a very simple and easier manner. The complete synthesis is based on interactive voice response where user can record their information in terms of audio file. Recent Admission Management Systems are often being breached for the visually impaired persons. They need to depend on another person for filling any kinds of forms. So our project helps such kind of people to fill their forms by recording voice. Any kind of user can utilize this system and reduce their time by storing data in wave format instead of typing via keyboard.

Filling Admission forms can be done by Transcription Management System with a smart indication. This composition can be used in any application, where person's vision is the critical issue. The features of this system are automatic transmission of voice files with just a couple of click .By just simple mouse clicks and speech inputs the system is easy to get along with any type of users ; there is no need to remember keyboard. This system works on role basis like Translator, Manager and Reviewer .The visually impaired persons need not worry as they can listen to the prompting done by the system and perform respective actions.

Keywords: *Transcription, Transcripts, Visually impaired*

1. INTRODUCTION:

People who are physically impaired are not able to fill forms. As in recent systems it's tedious and needs extra hard work for them to fill any kinds of forms

online. So it is very difficult for them to live in the era of internet.

Transcription Management System simply makes their work in smoother manner which includes one dashboard with login of three different people. The blind person's need not to worry as they can listen to the prompting done by the system and perform respective actions.

1.1 LITERATURE SURVEY

In old systems, the blind person's need to use some specific languages to interact with the computer system. It's must for them to learn the specific languages available for them. ALVA Braille [1] is the language for blind persons. The output of language is on Braille bar [2].

Another development is Haptic Technology [3] in which shapes on the screen is feel by the blind user using their hands. Optical Character Recognition (OCR) Technology [4] extracts text from images which enables blind people to obtain printed, typewritten text. To achieve that, assistance in positioning on the paper-based form is required.

2. ARCHITECTURE

The web-based system application contains, database and four different roles. In this system user can access the web application and whatever data interaction done, it handles at background. Mainly the system is developed in the concern of blind persons. So, there are majorly three roles as follows: 1) Translator 2) Reviewer 3) Manager

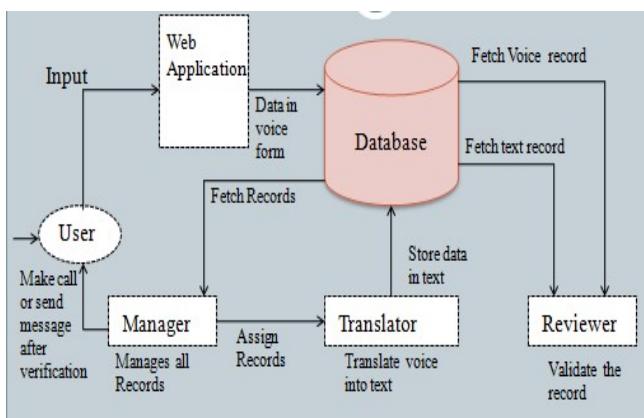


Diagram: Transcription Management System

2.1 WORKING

- Translator:** Translator translates the voice data into text format. Wave files can get translated into text format through translator. Then the file is getting submitted to reviewer.
- Reviewer:** Reviewer is responsible for validate the data translated by translator. He checked whether the translated data is correct or not. He can work like moderator, who checks the data, if correction are required then validate it; or otherwise send it back to the translator.
- Manager:** Manager have all the authorities to access the data. He can modify or reject the data. Manager manages all translators and reviewers and their payment system. As well as manager assigns task to different translator and manage the data. He can fetch the record from database and assign it to translator. And at the final stage when every recorded data is converted into text format then confirmation call is getting send to the specific user.

3. The Transcription Management System Framework

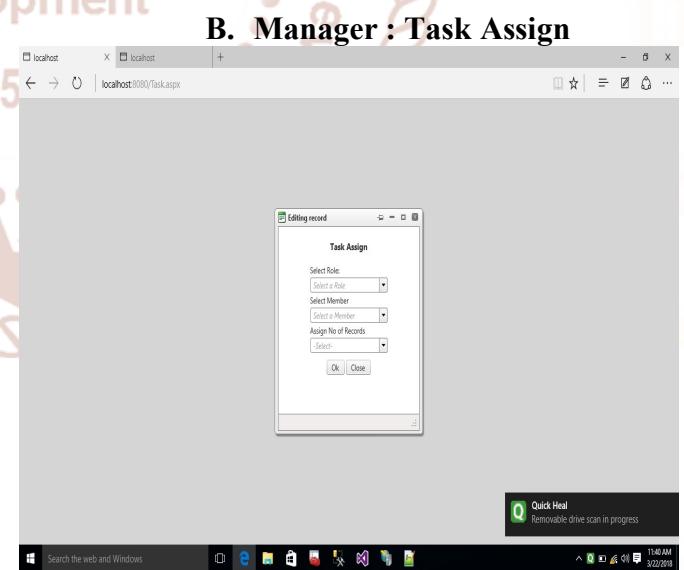
The system framework is enables the blind users to actively participate in the admission process through web application. The typical screens presented to the viewer are

- Login/Register Page
- Manager
- Translator

- Reviewer
- User
- Create role
- Assign Task
- Translator Task



The first page is the Login/Register Page followed by the Manager login page who has all rights regarding modification and deletion roles i.e. assigning role, creating role etc.



Manager page has home page in which he can assign task, creates roles, can view Translated task and see the review records done by the reviewer. In this screenshot Manager can assign the task to Transcriptor or reviewer.

C. Manager: Translated Task

The screenshot shows a web browser window titled "localhost" with the URL "localhost:51734/Translator_Details.aspx". The page is titled "Translator Task" and contains a table with columns: ID, Date, Roll No, First Name, Middle Name, Last Name, Age, DOB, Qualification, Mobile, Gender, Email Id, Address, City, Pin Code, State, Remark, Create by, and Date. There are 63 rows of data.

ID	Date	Roll No	First Name	Middle Name	Last Name	Age	DOB	Qualification	Mobile	Gender	Email Id	Address	City	Pin Code	State	Remark	Create by	Date
29	12/01/2017	101	k	k	k	1	2/1/2018	h	8899000999	Female	l@gmail.com	k	k	44444	k	Information is complete	b	12/31/2017
	6/26/2018																	6/26/2018
57	1/12/2018	5	k	m	j	1	1/1/2018	k	8899000999	Female	l@gmail.com	k	k	44444	k	Remark	j	1/12/2018
	5/30/2017																	5/30/2017
58	1/12/2018	10	namrata	anirudh	shiva	20	1/2/1995	BE	2356247	Female	namrata@gmail.com	abc@gmail.com	nashik	422003	mh	Remark	Savita	1/12/2018
	5/8/2018																	5/8/2018
60	1/12/2018	2	lalita	p	shrid	20	1/9/1997	BE	895263	Female	lalita@gmail.com	wxyz@gmail.com	radzik	36555	mh	Remark	Savita	1/12/2018
	6/7/2018																	6/7/2018
63	3/4/2018	1	xyz	www	hpmp	22	3/14/2018	sd	41255442	Female	abc@gmail.com	76655yhdhns	rsk	14214	mharastra	Remark		3/4/2018
	11/5/2018																	11/5/2018

E. Reviewer: Reviewed Task

The screenshot shows a web browser window titled "localhost" with the URL "localhost:51734/receivertran.aspx". The page is titled "REVIEWER FORM" and contains a table with columns: Command item, Data, and frame. There are no records displayed.

Command item	Data	frame
Add new record		Kedech
No records to display.		

Translated task is only visible to manager. So he can does modification if needed any.

D. Translator Form

The screenshot shows a web browser window titled "localhost" with the URL "localhost:51734/Translatorform.aspx". The page is titled "TRANSLATOR FORM" and contains a table with columns: Command item, Data, and File Name. There are no records displayed.

Command item	Data	File Name
Add new record		Refesh
No records to display.		

Below the table are input fields for Rollno, First name, Middle name, Last name, Age, DOB, Phone no., Gender, Address, Street no., City, Pin code, State, and Remark. A "Submit" button is at the bottom.

Translator is responsible to translate the inserted voice record into text format. He can listen the voice first one by one and then translate it into text form.

Reviewer reviews the task translated by translator. He checked whether the translated data is correct or not. He can work like moderator, who checks the data, if correction are required then validate it; or otherwise send it back to the translator

F. User:

The screenshot shows a web browser window titled "localhost" with the URL "localhost:6080/InstructionRecording.aspx". The page is titled "Instruction Recording" and contains a table with columns: Enter Roll No, Enter First Name, Enter Middle Name, Enter Last Name, Enter Age, Enter DOB, Enter Qualification, Enter Mobile No, Enter Gender, Enter Email Id, Enter Address, Enter City, Enter Pin Code, Enter State, and Enter Pin Code. Below the table are "Buttons", "Browse...", and "Label" buttons.

User is centralized part of the system. At front end user enters his information through the voice. And our system handles it at background.

4. FUTURE SCOPE

Transcription Management System is total interactive project. The software can be developed in all regional languages. As if now it is for admission system but

later it can be developed in all types of web based applications.

5. APPLICATION

The system is mainly designed to concern of blind persons. So, as to they can fill online as well as offline forms by their voice. It can be used in private institutions as well as in government sector. Normal persons can also use the system as it helps for them to save time.

6. CONCLUSION

The Transcription Management System is handled by visually impaired person as well as normal persons. It has feature of speech to text which makes those who have language problem as a barrier. Because of easier and faster access of data, there is a wide scope in future.

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