BHARATI VIDYAPEETH COLLEGE OF ENGINEERING NAVI MUMBAI

MAJOR PROJECT – I (SEM : VII)
Department - Computer Engineering

Book Reader & Summarizer

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Academic Year : 2022-2023

Project Guide

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ABSTRACT

The Book Reader & Summarizer is an application capable of extracting text from various file types majorly PDF, doc, images etc. using advanced OCR and text extraction technologies. Application is not restricting to text extraction, it also able to deliver audio output by scanning or reading text. The NLP approach use to built Summarizer will enhance the user experience by reducing time for effective reading of book. Application's integrated media player is capable to store and load such audio files and it also enhance the GUI of an application.

INTRODUCTION

- Book reader and summarizer is an application in which we can recognize and read the text written on the document (pdf, ppt, word etc.)

- This application also works on handwritten text that means we can scan handwritten document as well and generate output out of it.

- Reading a whole book or huge document could be a headache especially when you just want to read or to know about specific section/topic.

- Here comes the summarizer part, it can summarize the whole document so that user don't have to read complete document.

- This application will have in-built audio player for playing the audio so that we don't external audio player.

- It is quite useful for everybody but especially for those who deals with digital document or books on daily basis.
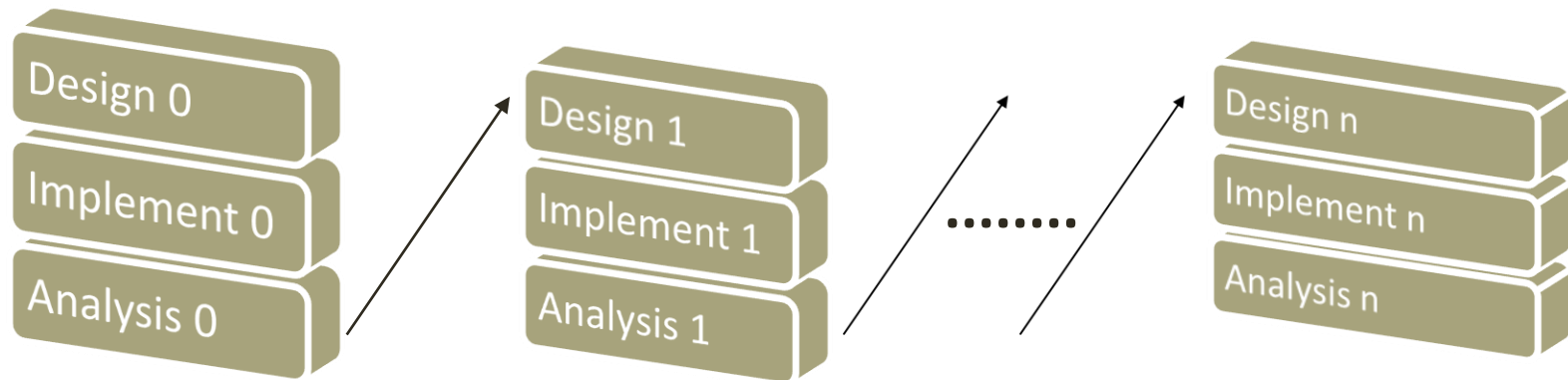
PROBLEM STATEMENT

EXISTING SYSTEM

- Continuously reading a pdf by looking at the computer screen continuously leads health issues.

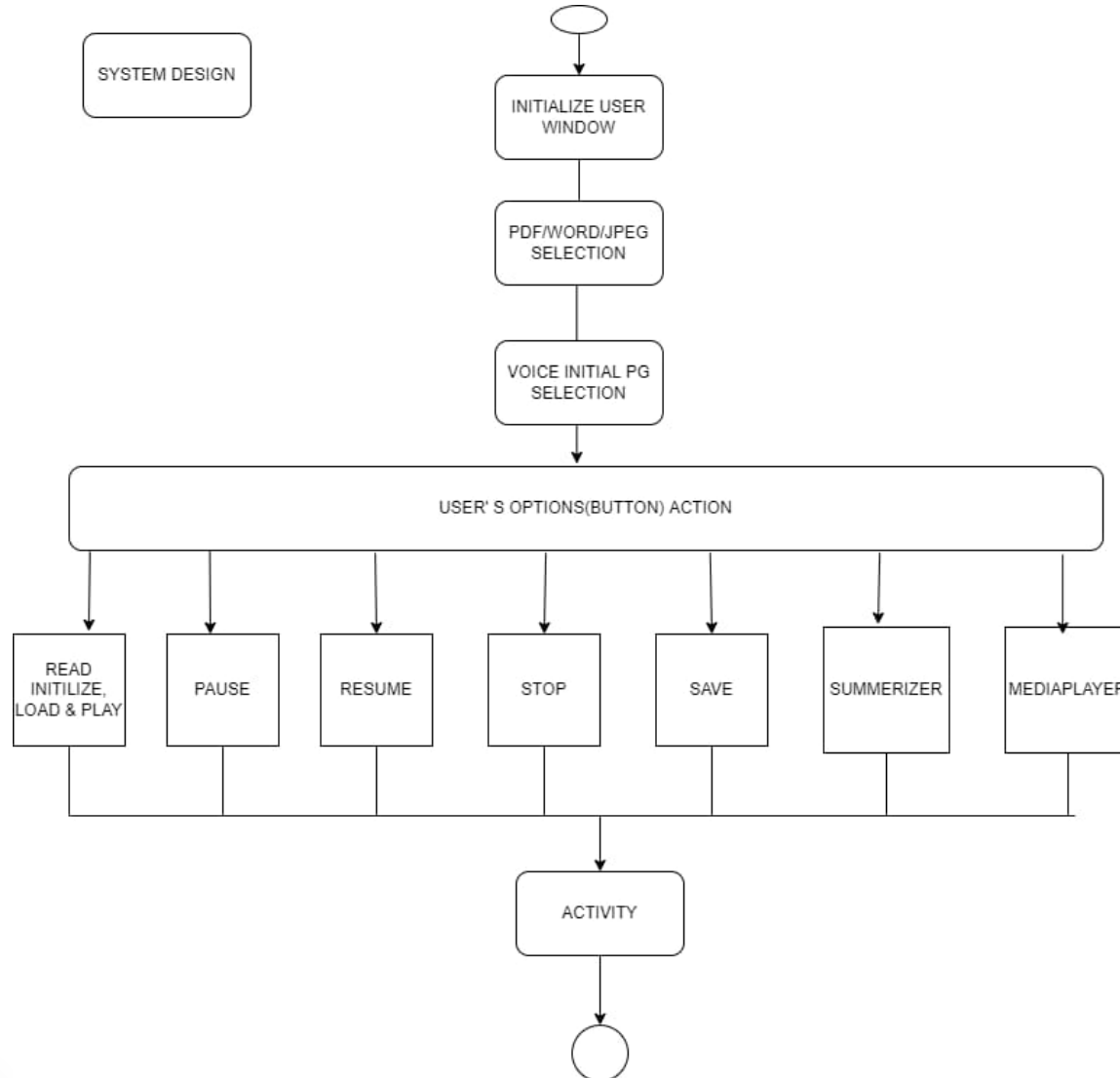- This is time consuming process

PROPOSED SYSTEM

- Application will play book, which ables user to do multitasking while listening to book.

- Summarizer part gives quick idea about book or text

SYSTEM PLANNING & SYSTEMS DEVELOPMENT LIFECYCLE (SDLC)

Iterative Life Cycle Model

SYSTEM ARCHITECTURE

CONCLUSION

We are planning to develop the system by giving conscious efforts to create and develop a software package, making use of available tools, techniques and resources – that would generate a proper system. While making the system, we are trying to built an application which is as user-friendly, as cost-effective and as flexible as possible.