Department of Information Technology, Walchand College of Engineering, Sangli.

A Project Report on

Aiken Application

Mini project work for

Third Year(Semester V) of

B.Tech in Information Technology

Submitted by

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Project Guide   **HOD**

Mr.U.B.Chavan   Dr. A.J. Umbarkar

CERTIFICATE

This is to certify that project report entitled as

Aiken Application

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Has undergone a Mini Project (5IT276) work and has successfully completed in the academic year 2021-2022(SEM-V).

Date: 8 Jan, 2022   Mr. U. B. Chavan

Place: Sangli   (Project Guide)

ACKNOWLEDGEMENT

We are rather infused by the kind guidance of Mr. U. B. Chavan who put in the cradle of our Engineering studies and evaluated us to this end and meaning of our project. We could not have been able to complete the project without the valuable guidance of the Respected Panel. Class teacher gave their valuable guidance, experience and time to make the project a success. Without the guidance of all these respected members, we are sure to be orphans in the vast ocean of development. In the end, we would like to express a sincere thanks to all the people who helped us in the project completion directly or indirectly and feel lucky to have got their help.

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Problem Statement

- To create an application which will generate text file of Aiken format easily with minimising maximum efforts.

Existing Scenario

- There is no such platform available which can take care of all necessary rules required to create a quiz in "Aiken format".
- Teachers find it quite difficult to prepare quiz and look for all necessary rules for creating it.

Objectives

- To decrease the time of work required in creating such question papers / files with particular format known as Aiken.
- To easily create question paper of aiken format.
- To give user a user-friendly UI.
- To make the application faster and reliable with user.
- To reduce number of errors to zero while creating such aiken based files or question paper.

What is Aiken?

The **Aiken format** is a very simple way of creating multiple choice questions using a clear human-readable format in a text file. (The GIFT format has many more options and perhaps is less prone to errors, but doesn't look as straightforward as AIKEN.) The question must be all on one line. Each answer must start with a single uppercase letter, followed by a period '.' or a bracket ')', then a space. The answer line must immediately follow, starting with "ANSWER: " (NOTE the space after the colon) and then giving the appropriate letter.Following are some important points to be remember:

- You have to save the file in a **text format**. Don't save it as a Word document or anything like that.
- Non-ASCII characters like 'quotes' can cause import errors. To avoid this always save your text file in UTF-8 format (most text editors, even Word, will ask you).

- The answer letters (A,B,C etc.) and the word "ANSWER" **must** be capitalised as shown below, otherwise the import will fail.

```
What is the correct answer to this question?
A. Is it this one?
B. Maybe this answer?
C. Possibly this one?
D. Must be this one!
ANSWER: D

Which LMS has the most quiz import formats?
A) Moodle
B) ATutor
C) Claroline
D) Blackboard
E) WebCT
F) Ilias
ANSWER: A
```

Development Technologies and tools

- Operating System used: Windows/Linux

- Programming Language: Java

- IDE: Notepad, Eclipse

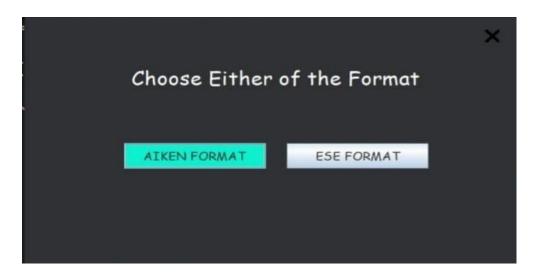- Package used: Java Swing

Functionality

- The user will be provided two options either "Aiken format" or "ESE Format".
- The user will be prompted to name a file on which the quiz will be written and the file gets located the directory.
- The user will just have to enter questions, options and the answer.
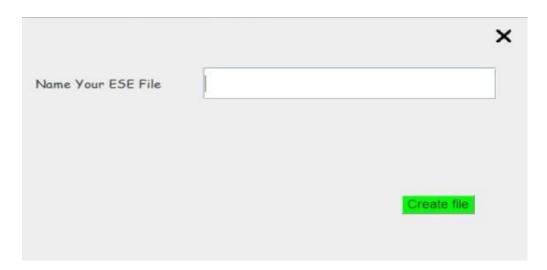- Once the questions are over ,the file gets written
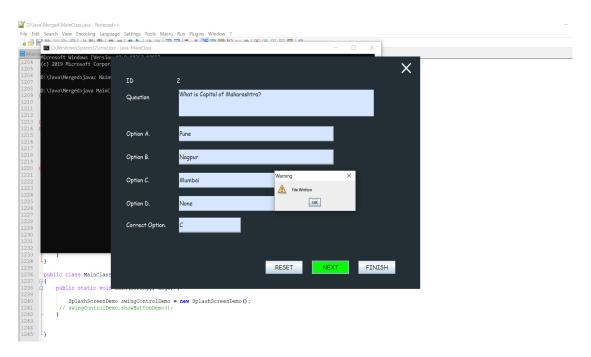
Implementation

Splash Screen

Option GUI

Enter File Name

Main GUI

File writing operation

Output

Significance:

- This application will eliminate the tedious work which faculty has to do while setting up the quiz.

- The application will save time and energy to set up quiz.

References

- **Java Programming**
    - **https://www.udemy.com/share/103rekCEYacVtSTH4=/**
- **Textbooks:**
    - **https://books.goalkicker.com/JavaBook/**
    - **https://www.w3schools.com/java/**
- **Youtube**
    - **https://youtu.be/ntLJmHOJ0ME**