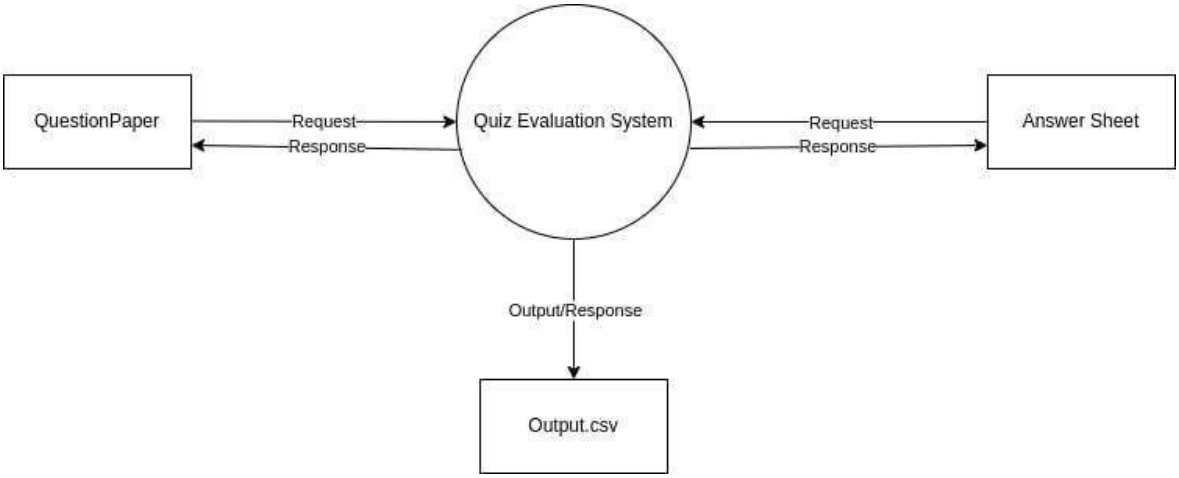
DESIGN FOR QUIZ EVALUATION SOFTWARE

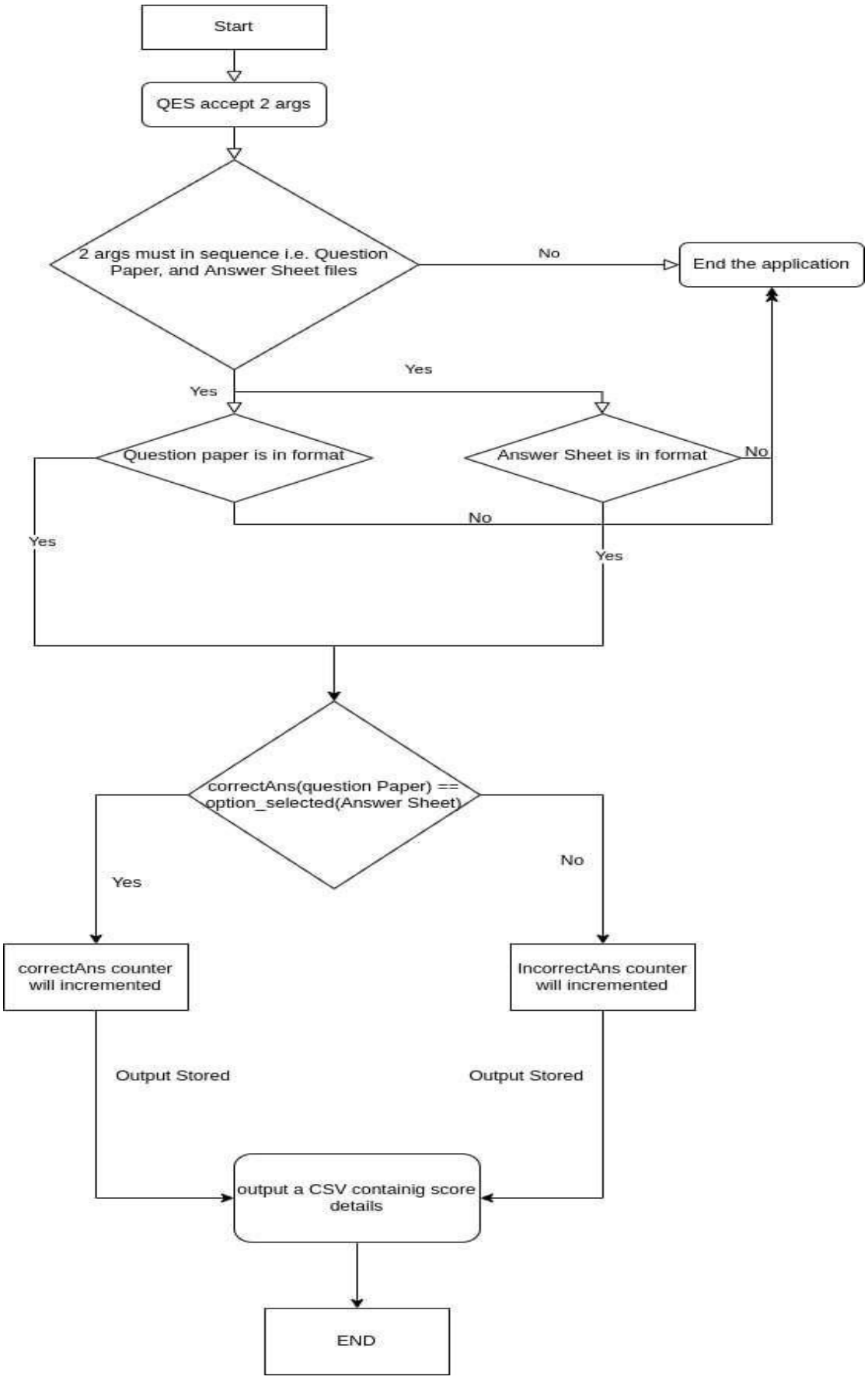
Project Name: Quiz Evaluation Software
Document Title: Design-QES

Contents

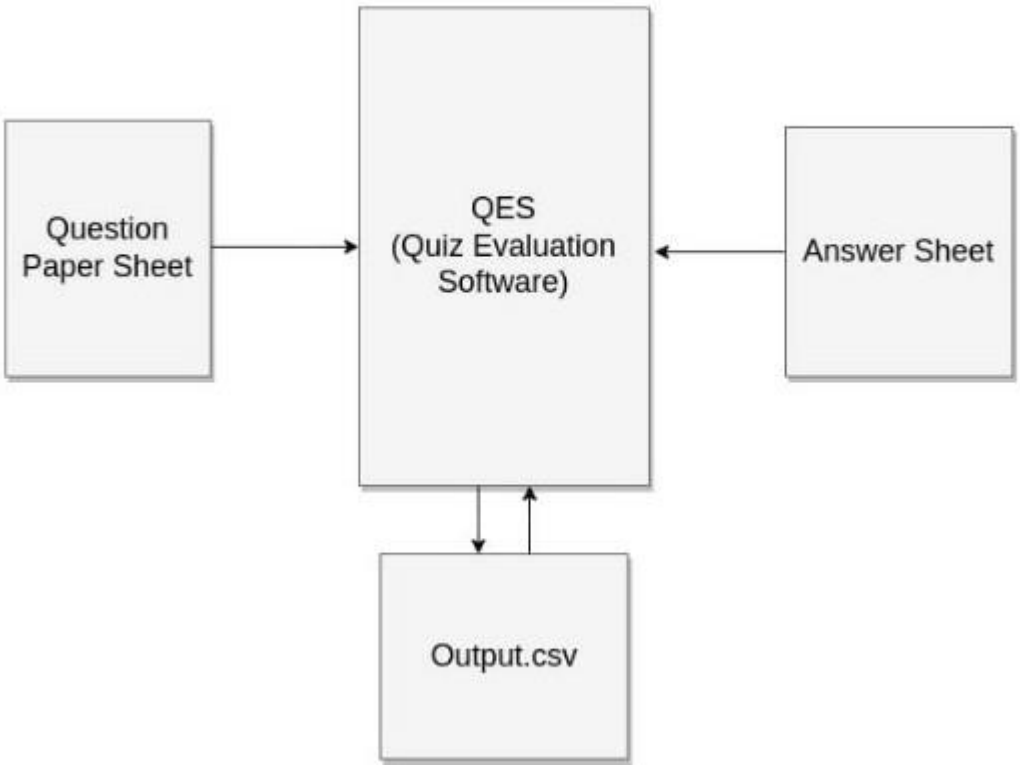
1. DATAFLOW DIAGRAMS



2. FLOWCHART OF PHONEBOOK APPLICATION


Start
QES accept 2 args
2 args must in sequence i.e. Question Paper, and Answer Sheet files
No
End the application
Yes
Yes
Question paper is in format
Answer Sheet is in format
No
No
Yes
Yes
correctAns(question Paper) == option_selected(Answer Sheet)
Yes
No
correctAns counter will incremented
IncorrectAns counter will incremented
Output Stored
Output Stored
output a CSV containig score details
END

3.Block Diagram



4.FUNCTIONAL REQUIREMENTS

All Headers Included

#include<stdio.h> //standard input output header
#include<string.h>//Includes String functions

#include<stdlib.h>//Includes functions involving memory
#include<ctype.h>//Work with individual characters

All Define statements

#define MAX_SIZE 100
#define OUTPUTPATH
#define USERPARAMS_R
#define USERPARAMS_W
#define USERPARAMS_A

Function Prototypes

int main(int argc , char *argv[])

The argc parameter is the number of command line options specified, including the executable name, when the executable was invoked. The individual command line options are found in the argv array, which is NULL terminated

Int evaluate(FILE *questionPaper , FiLE *answerPaper)

Takes questionPaper and anwerPaper files as input and evaluates the output.

Int ouput csv(char* name , int total_marks , int scored_marks , int invalid_ans)

Prints output in csv file with name , total_marks , scored_marks , invalid_answers.

3. GLOBAL DATA STRUCTURES

Struct data type

struct answer_sheet
ans[MAX_SIZE]; struct

```
answer_sheet{          char
participant_name[50];
 int question_id;       int
option_choosen;
                        }
```

The struct data has 3 fields that are participant name , question id and option chosen.

```
 struct question_paper
      questions[MAX_SIZE];
 struct
question_paper{
int question_id;
int num_of_options;
int correct_ans;
                    }
```

The struct data has 3 fields that are question id , number of options and correct answer.