GENERATION OF B-FORM BY AMCEC

Mr. Anand Kumar B[1], Adarsh Kundan[2], Mayank utkarsh[3], Akash[4], K Jaswanth[5]

[2345] *student, Department of Computer science and Engineering, AMCEC, Bangalore-083, Karnataka*

[1]*Faculty, Department of Computer science and Engineering, AMCEC, Bangalore-083, Karnataka*

ABSTRACT

Case-based reasoning has been used previously for constructing a new form interface from existing designs in the XReformer system. The system is able to generate an HTML interface from the given solution. However, this HTML form is not ready to be used as a standalone application because it is lacking a data saving mechanism. This paper discusses the process of adding the ability to generate a complete form-based application through database and backend logic generation.The input fields from the form specification are used to build an SQL command for table creation inside the database. The SQL command will be executed when the application undergoes the building process. The application generator will also construct backend files for data saving logic through a template engine. Docker container system is included inside the generated application for fully automated build and execution. The generated form-based application has been tested for data entry although there were some irregularities in the form adaptation process when using a partial query.

Keyword : *-Component , formatting, style, styling, insert.*

1. INTRODUCTION

B-form is a form which is created for easier access of students and their entry through their exam dates and subject codes. It is used for entering the details of the professors and students which helps in reducing their time and making their work easier. Earlier many man power was required to produce this form and it takes a lot of time by the professors and students to maintain this form but producing this form online can decrease the man power making the work easier and a lot faster. These objects are assembled with microcontrollers, transceivers to enable communication, and configured with protocol stacks that will realize the interaction of the objects with one another to reach to common goals without human intervention This paradigm gained its strength from the fact that it is interacting with a wide variety of devices such as: robots, drones, heating and air-conditioning systems, security alarms, household appliances, power generation systems, office equipment, and so on, which generate a massive amount of data to provide new services to people and both public and private sectors.

2. PURPOSE

The purpose of B-Form is to take online test in an efficient manner and no time wasting for checking the paper. The main objective of B-form is to efficiently evaluate the candidate thoroughly through a fully automated system that not only saves lot of time but also gives fast results. For students they give papers according to their convenience and time and there is no need of using extra thing like paper, pen etc.The ultimate goal of this work is the implementation of a cloud-based monitoring system built upon wireless sensor network architecture so that data are gathered and stored on cloud database and the analysis can be carried out periodically. To reduce the task completion time running on low end machine, we will offload the task to the available high-end machine so that the system on time can be reduced to save power. Admin can check the status of the running machine remotely and can control the machine from remote place.

3. METHODOLOGY

Design: The design of this project can be divided into three phases as described below:
User Case Diagram : A use case diagram is a way to summarize details of a system and the users within that system. It is generally shown as a graphic depiction of interactions among different elements in a system.

Class Diagram: Class diagrams are the blueprints of your system or subsystem. You can use class diagrams to model the objects that make up the system, to display the relationships between the objects, and to describe what those objects do and the services that they provide.
State Diagram : A state diagram is used to represent the condition of the system or part of the system at finite instances of time. It's a behavioral diagram and it represents the behavior using finite state transitions. State diagrams are also referred to as State machines and State-chart Diagrams.

3.1 ALGORTIHM USED

As we know, CRUD operations act as the foundation of any computer programming language or technology. So before taking a deeper dive into any programming language or technology, one must be proficient in working on its CRUD operations. This same rule applies to databases as well.Let us start with the understanding of CRUD operations in SQL with the help of examples. We will be writing all the queries in the supporting examples using the MySQL database.

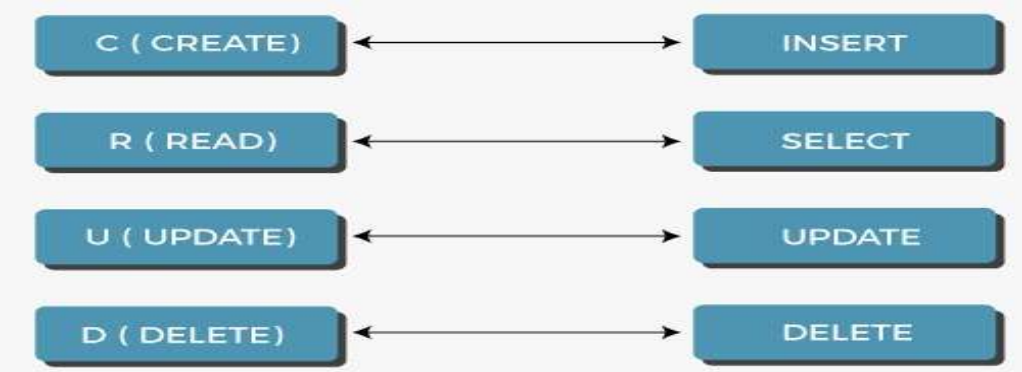

Fig -2: CRUD Application

4. CONCLUSIONS

The Generation of B-form by AMCEC is developed using Python and SQL fully meets the objectives of the system for which it has been developed. The system has reached a steady state where all bugs have been eliminated. The system is operated at a high level of efficiency and all the teachers and user associated with the system understands its advantage. The system solves the problem. It was intended to solve as requirement specifications

5. REFERENCES

[1]. Yang Yu, Hongyan Wang, Adaptive Online Exam Questions Based on Systematic Analysis and Design, vol. 4, wuhan University of Technology, 2008, p. 30
[2]. Binghua Chen
B/S Model of Building a Test Server, vol. 08, China's Information Technology Education (2008), p. 87
[3]. Gui Wang
JSP-Based Platform for Remote Examination of The Design and Implementation, vol. 10, Mobile office (2008), p. 41
[4]. Bing Liu
Developers Surprise Java Web
Publishing House of Electronics Industry, Beijing (2008)