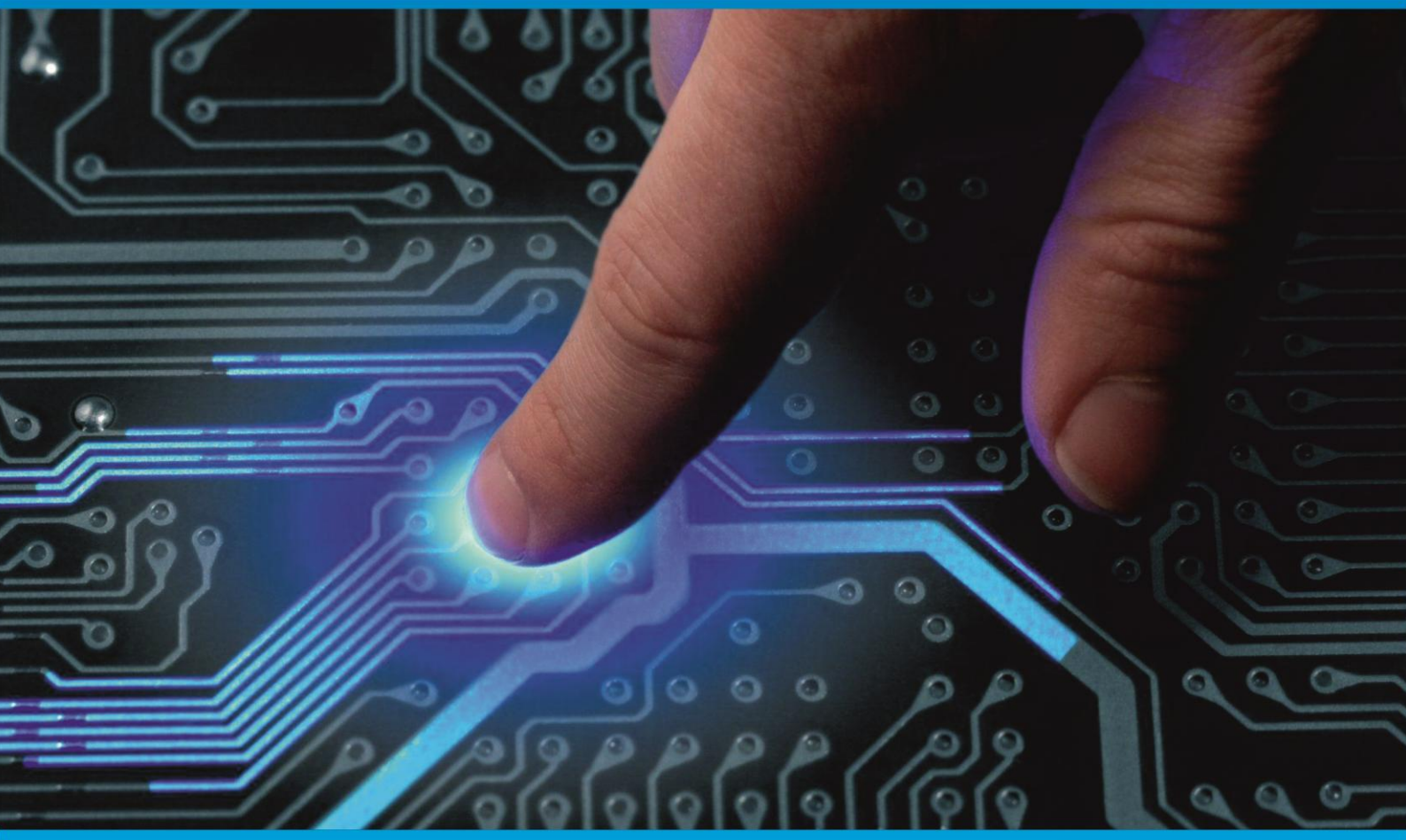
IJIRCCE

e-ISSN: 2320-9801 | p-ISSN: 2320-9798



INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH

IN COMPUTER & COMMUNICATION ENGINEERING

Volume 9, Issue 4, April 2021

INTERNATIONAL STANDARD SERIAL NUMBER INDIA

Impact Factor: 7.488

International Journal of Innovative Research in Computer and Communication Engineering

| e-ISSN: 2320-9801, p-ISSN: 2320-9798| www.ijircce.com | |Impact Factor: 7.488 |

|| Volume 9, Issue 4, April 2021 ||

| DOI: 10.15680/IJIRCCE.2021.0904088 |

Web Based Staff Feedback Processing System

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ABSTRACT: "Web-Based Staff Feedback Processing System" is intended to substitute the current Google structures for input reactions and the difficulties looked by the customer. This application gets reactions from understudies and consequently changes over reactions into customer mentioned results (both staff and understudy results). This web application is effectively accessible and simple to work with as the front-end is designed using Bootstrap. Subsequent to getting responses of the customer can likewise get those outcomes in table arrangement which can be downloaded in .csv file format.

KEYWORDS: Online Feedback; Management; Reports; Educational

I. INTRODUCTION

The "Web-Based Staff Feedback Processing System" requires the staff information and input structure information for one single criticism structure. This criticism structure is made by ejs templating motor which powerfully delivers the perspective on the website page. The outcomes are gotten utilizing radio catch inputs packaged inside a structure tag in HTML. This structure is shipped off the Node.JS worker to play out the degrees of interaction and store those outcomes in their relating data set reports.

In the wake of getting all the criticism reactions, the business rationale deals with levels of preparing in the past done by the customer. Those put away outcomes are shown or downloaded according to the customer necessities which use information base inquiries to bring the ideal outcomes in a table organization. The necessary table can be shown on the page and furthermore can be downloaded as .csv record, which is as of now the customer required final product.

This framework is controlled by utilizing Node.JS which is a JavaScript runtime, which is likewise a worker side prearranging language. The information or reaction, information about staffs, inquiries to posed, are put away in a NoSQL data set, which is questioned utilizing MongoDB to do CRUD activities over the framework.

The client's framework just requires a framework that can run an internet browser to utilize this application. To run or host this application, the framework requires the establishment of Node.JS and MongoDB individually.

II. EXISTING SYSTEM

The proposed project “Web-Based Staff Feedback Processing System” has been developed to overcome the problems faced in the existing Google forms. Google forms provide forms that are currently used to get feedback responses from students. But it provides a result that requires another level of the process which requires more time and human power.

The problem in the existing system is that the form consists of an input type of radio buttons that returns true or false for its corresponding values. Those Boolean data requires to be converted into numbers as per the client requirements. The second level of processing is done by humans, where mistakes are more prone to happen, which significantly can change the end result.

III. PROPOSED ALGORITHM

The “Web-Based Staff Feedback Processing System” requires the staff data and feedback form data for one single feedback form. This feedback form is created by the ejs templating engine which dynamically renders the view of the web page. The results are received using radio button inputs bundled inside a form tag in HTML. This form is sent to the Node.JS server to perform the levels of process and store those results in their corresponding database documents.

After getting all the feedback responses, the business logic takes care of levels of processing formerly done by the client. Those stored results are displayed or downloaded as per the client requirements which use database queries to

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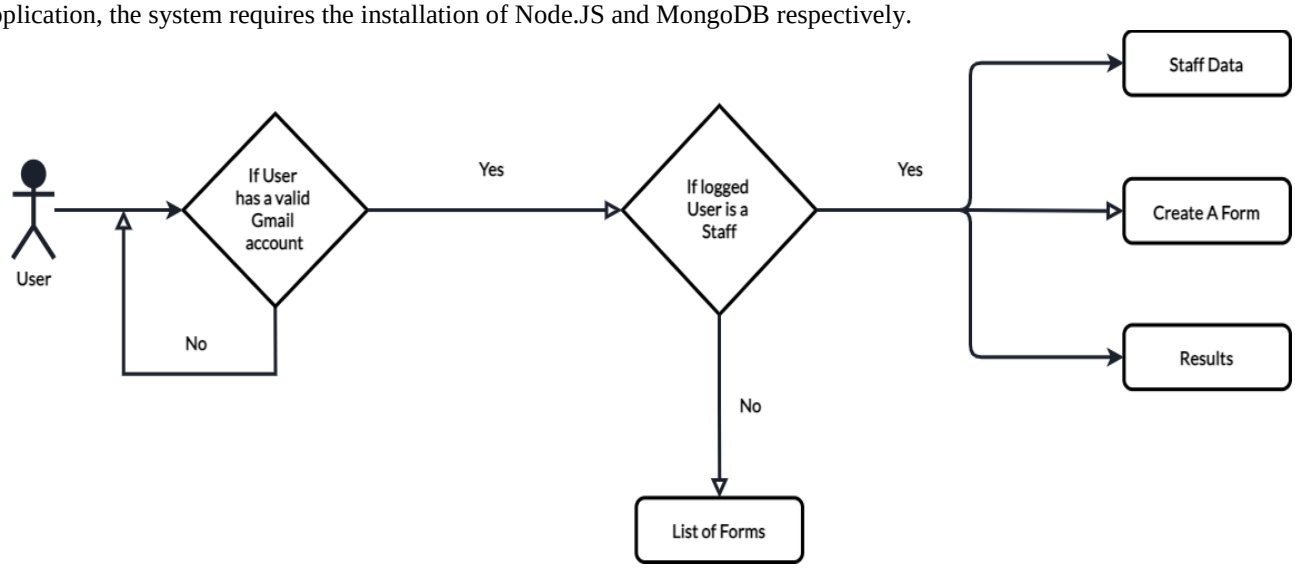
fetch the desired results in a table format. The required table can be displayed on the web page and also can be downloaded as .csv file, which is already the client required end result.

This system is powered by using Node.JS which is a JavaScript runtime, which is also a server-side scripting language. The data or response, data about staffs, questions to asked, are stored in a NoSQL database, which is queried using MongoDB to do CRUD operations over the system.

The user's system simply requires a system that can run a web browser to use this application. To run or host this application, the system requires the installation of Node.JS and MongoDB respectively.



IV. TECHNOLOGIES USED

A. *Visual Studio Code:*

Visual Studio is an integrated development environment that is used to develop computer programs for Windows. Visual studio can also be used for developing web sites, web applications, and web services.

B. *MongoDB Server:*

MongoDB is a cross-platform, document oriented database that provides, high performance, high availability, and easy scalability. MongoDB works on concept of collection and document.

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C. *HTML:*

HTML (Hypertext Markup Language) is the code that is used to structure a web page and its content. For example, content could be structured within a set of paragraphs, a list of bulleted points, or using images and data tables.

D. *CSS:*

CSS is the language for describing the presentation of Web pages, including colors, layout, and fonts. It allows one to adapt the presentation to different types of devices, such as large screens, small screens, or printers.

E. *JavaScript:*

JavaScript is a programming language that conforms to the ECMA Script specification. JavaScript is high-level, often just-in-time compiled, and multi-paradigm. It has curly-bracket syntax, dynamic typing, prototype-based object orientation, and first-class functions.

F. *NodeJS:*

Node.js is a JavaScript runtime developed by Ryan Dahl using Google Chrome's V8 Engine. It is a JavaScript runtime environment for server-side scripting and network applications. Every module was tested individually with data stored.

V. IMPLEMENTATION AND WORKING

Execution is the most essential stage in accomplishing a fruitful framework and giving the client's certainty that the new framework is functional and compelling. The User can sign in utilizing their Google account. The User has access to view the list of feedback forms and can give feedback responses for their corresponding department. The Admin has a separate login procedure and is responsible for adding new forms, editing staff data, and maintaining reports of feedback responses.

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VI. CONCLUSION AND FUTURE WORK

In today's world where education has become a basic necessity for everyone so to ensure that proper education Is being delivered or not their lefts only one way 'by taking feedback' so as to reduce the manpower, the software is built which automatically takes the feedback turn by turn so as to not skip any of the members.

The 'Feedback System' Approaches about instructive and institutional practices, the understudy's interests about the information they are being given.

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SJIF Scientific Journal Impact Factor

Impact Factor:
7.488

ISSN INTERNATIONAL STANDARD SERIAL NUMBER INDIA

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