

SOFTWARE REQUIREMENT SPECIFICATION FOR STUDENT SATISFACTION SURVEY

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PROBLEM STATEMENT	STUDENT SATISFACTION SURVEY

PROBLEM STATEMENT:

Student Satisfaction Survey provide valuable insights into student experiences and perceptions within educational institutions leads to several challenges, including:

Data inconsistency: Responses may vary widely due to inconsistent survey distribution, leading to discrepancies in results and a lack of reliable data.

Interpretation challenges: Extracting meaningful insights from a large volume of survey responses can be complex, potentially leading to misinterpretations or incomplete conclusions.

Visualization complexity: Presenting survey results in a way that is easy to understand and actionable for different stakeholders can be challenging, especially when dealing with complex data sets.

Fragmented Communication: If survey findings are not effectively communicated to students and staff, there is a risk of reduced engagement and missed opportunities for improvement.

Administrative Burden: Processing, analyzing, and preparing graphical representations of survey data requires significant administrative effort, adding to the workload of faculty and administrative staff.

PHASE NOTES

Stage 1: Planning and Requirement gathering

Stage 2: Design and Prototyping

Stage 3: DB Designing

Stage 4: Backend Implementation

Stage 5: Testing & Implementation

PROJECT FLOW:

1. INTRODUCTION

1.1. PURPOSE

The purpose of this document is to present a detailed description of the Student Satisfaction Survey (SSS) system. It will explain the purpose and features of the system, the interfaces of the system, what the system will do, the constraints under which it must operate, and how the system will react to external stimuli.

1.2. SCOPE OF PROJECT

This software system will serve as a portal for collecting and analyzing Student Satisfaction Survey responses. It enables students to submit their feedback on various aspects of their educational experience. From an administrative perspective, this system will provide a comprehensive analytical dashboard for overseeing survey responses and preparing reports.

Administrators have the ability to review student feedback and generate reports. Once the data is collected, they can use it to identify areas for improvement in the educational process. The system will allow admins to calculate metrics, create graphs, and track trends based on the student responses. If there is a significant decrease in satisfaction in any area, the system will alert the admin for further investigation.

2. SYSTEM OVERVIEW

2.1. USERS

Students

They have the ability to complete the Student Satisfaction Survey, providing feedback on various aspects of their educational experience. This includes rating their satisfaction with the quality of education, campus facilities, student services, and other areas.

Students can also view a summary of their feedback and the overall results of the survey, showing how their responses contribute to the general satisfaction level.

Administrators

They can review submitted survey responses, analyze the data, and generate reports to assess student satisfaction. This includes identifying trends and areas for improvement.

Administrators can set up survey periods, manage surveys, and create graphs based on student responses.

2.2. FEATURES

Login and Registration

Students can register for an account or log in with their existing account to complete the survey.

Survey Completion

Students can fill out the Student Satisfaction Survey, which includes various questions related to their educational experience. This involves selecting options and providing textual feedback.

Survey Status

Students can view the current status of their completed survey, including whether it has been processed or if further action is required.

Admin Access

Administrators have access to all submitted surveys and can view the detailed results for each survey period. They can also generate summaries and reports for further analysis.

Admin's Analytical Dashboard

Administrators can view survey response metrics, track trends, and identify areas requiring attention. This dashboard allows them to prepare comprehensive reports based on the feedback collected from the Student Satisfaction Survey.

Survey Analysis and Graphs

Administrators can create graphs and reports based on the collected survey responses. This feature allows them to visualize data and track trends over time.

FUNCTIONAL REQUIREMENTS:

Survey Design and Customization: Allow administrators to design and customize surveys, including question types (e.g., multiple-choice, Likert scale, open-ended), question logic, and survey layout.

User Authentication: Secure login using Google OAuth.

Data Storage and Security: Implement secure data storage with robust encryption to protect sensitive survey data (e.g., Google Cloud, AWS, Azure)

Real-time Response Tracking: Allow administrators to track survey responses in real-time, including response rates and completion status.

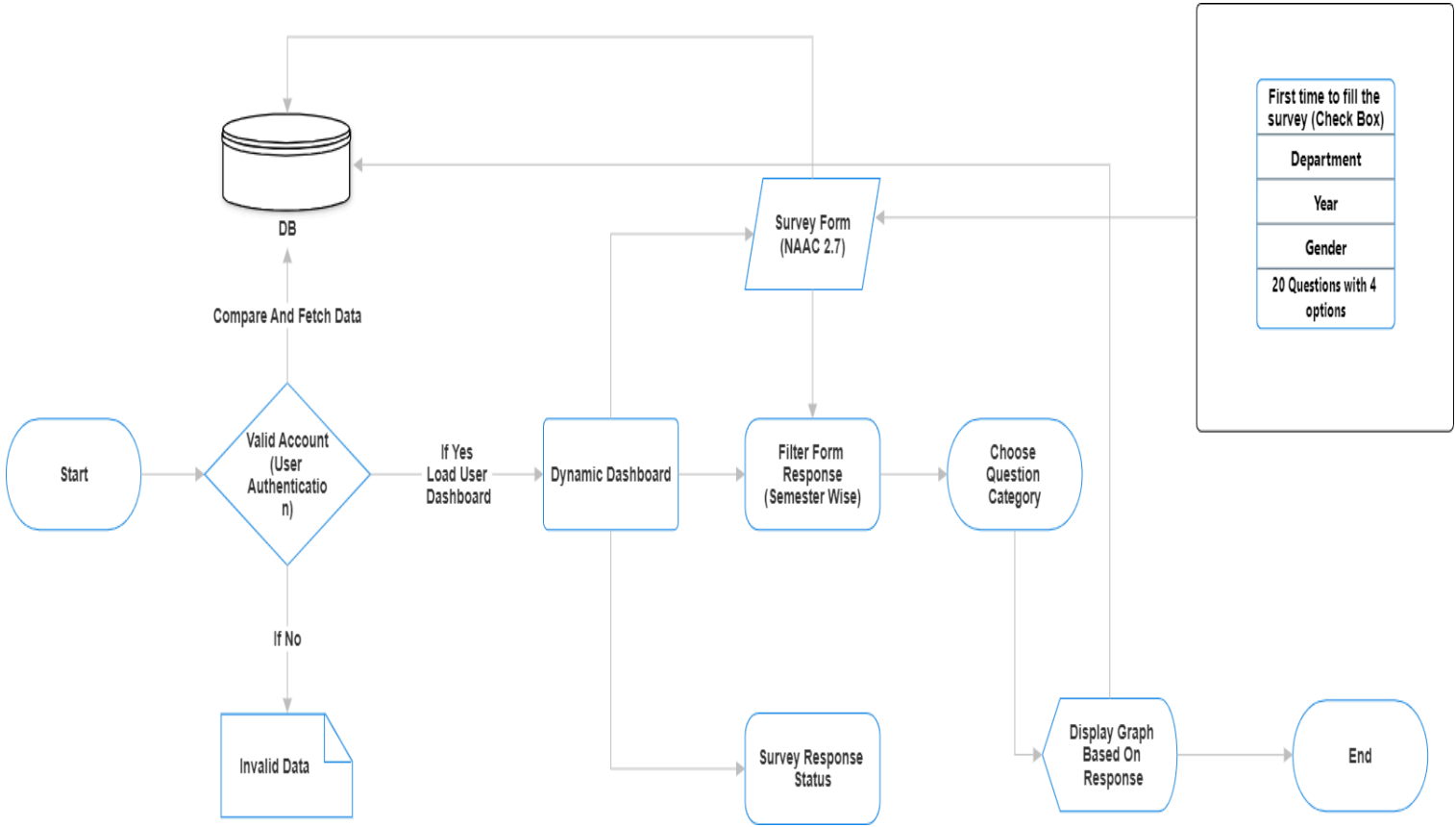
Data Analysis Tools: Include built-in tools for analyzing survey responses, such as generating graphs, and trend analyses.

Administrative Controls: Allow administrators to manage user access, permissions, and other administrative tasks related to survey distribution and analysis.

Stack:

Front End	HTML, CSS, JS
Backend	Python(Django)
Data Base	Postgresql

FLOW CHART:



ER DIAGRAM:

