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**Overview**

In recent times as the number of students appearing for competitive exams are increasing yet the number of admissions available in institutions remain the same. This is resulting in exams getting more intense and competitive.

So, students need to practice more to master the subject, but teachers can give them a certain number of questions to students to practice. Even if students use reference books questions to practice the book provides only a limited number of questions.

Question Generation systems are very useful in these types of situations especially trying times when education is online.

**Description of Existing System**

Existing Systems of Maths Question Generation systems include tk..(examples of existing systems) which can be used by Teachers, Schools and especially students to generate practice worksheets or quizzes. Tk..(more examples of existing systems)

**Limitations of Existing Systems**

**Proposed System and Its Advantages**

This proposed work is made using Django Framework with sqlite3 database. For Natural Laguage Processing the system uses NLTK library.

**Stakeholders**

Individuals and organizations who are actively involved in the project, or whose interests may be positively or negatively affected as a result of project execution or successful project completion.

The project's stakeholders are as follows:

* Developer: The developer is the main person in charge of the making the system. All features of the system are well-understood by the developer. The developer is in responsible of keeping track of the information provided by the users.
* End User: The end user is the person who will use this application to benefit from themselves.

**Technologies Used**

* Programming Environment-
  + **Operating System**: Windows
  + **Language**: Python
  + **Code Editor**: Visual Studio Code
  + **Browser**: Chrome
* Libraries and Frameworks used-
  + **Django**: Django is a high-level Python web framework that enables rapid development of secure and maintainable websites.
  + **SQLite3**: SQLite is a self-contained, file-based SQL database. SQLite comes bundled with Python and can be used in any of your Python applications without having to install any additional software.
  + **NLTK**: The Natural Language Toolkit (NLTK) is a platform used for building Python programs that work with human language data for applying in statistical natural language processing (NLP).