Project Synopsis

TaskX - “Get organized. Work smarter. Stay Motivated”

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1. Project Overview

TASKX is a web-application which can help the users to create and maintain schedules for their daily tasks in a smart and effective manner. The main functionality of the system is creating daily schedules. The system helps the user in creating schedules for certain tasks which include all sorts of activities like Homework, Assignments, Exams, Deadlines, Meetings and so on depending on the profession of the individual. It also provides several functionalities which can provide motivation to the user to follow the schedule that an individual can create. The main objective of the system is to schedule the tasks of an individual in such a manner that he can maintain the consistency of the work done throughout the day and maximize his productivity at the end of the day. This would prevent the user from avoiding the work to be done on the tasks that are planned or scheduled. Satisfaction, improvement in the way of managing the tasks, relief from the stress of pending tasks are some of the advantages that the project team wishes to provide to the users of the system.

2. Why RAD Model is considered

RAD model __is a rapid application development model. It is a type of incremental model. In the RAD model, the components or functions are created or developed in a parallel manner considering them to be mini projects. Here the developments are time bound, delivered and then assembled into the working prototype.The Phases in the rapid development model are :

- Business Modeling**:-** Here the information flow is identified between the various business functions.
- Data Modeling**:-** Here the gathered information from the Business Modeling is used for defining the data objects which are needed for the business.
- Process Modeling**:-** Here the data objects which are declared or defined in the Data modeling stage are converted in order to achieve the business information flow in order to achieve some specific business objective.
- Application Generation**:-** Here all the automated tools are used for converting the process models into the code and the actual system.
- Testing and Turnover**:-** Herr the new components and all the new interfaces are tested.

When to choose the RAD Model is a major concern. Here are a list of points which may guide the user:

- The RAD model should be used in the situation when there is a need to create a system that can be modularized in the time span of 2-3 months.

- The Model should be used when there is high availability of designers for the modeling and the amount allocated for the system is high enough for affording the cost along with the cost of the automated code generation tools.
- It should only be chosen when the resources with the high business knowledge are obtained or available and there is a need to produce the system in a short period of time.

Benefits of using RAD model :

- Measurable Progress and Reduced Development Time**:-** Due to the inherent process of frequent iterations, components and the prototypes makes it infinitely easier to measure progress and maintain schedules and budgets which means that we get the advantage of completing things in a faster time.
- Faster Code Generation**:-** One of the best advantages of using the RAD model is easy code generation and the code reuse. Also it reduces the amount of manual coding which helps in reducing the coding and the scripting time due to the fact that the codes or functions can be easily transferred in the form of scripts. Due to this reason it helps in reducing the amount of time required to produce the working prototypes or the working model for the iterative example demonstration.
- Rapid and Constant User feedback**:-** Apart from the development team, other teams like the internal teams and the stakeholders sign off on the project and its satisfactory progress. As a result of this the user feedback is not only necessary but also invaluable. As the RAD model supports constant feedback due to the iterative process, the developers of the system can get the needed feedback from the customer or the end user which makes it easy for incorporating in the later iteration in order to update the final application.
- Early System Integration**:-** Like the Waterfall model, they have to wait till the end of the life cycle for beginning the integrations with the other modules of the system or the services, the RAD model on the other hand becomes integrated almost immediately. Due to this early integration, it helps in quick identification of errors or complications within the integration and provokes immediate resolution.

3. Stakeholders

- A good discovery process is critical to software development. The requirements generated here set the stage for the entire project, laying the groundwork for success or failure. The term “stakeholder’ refers to the people or groups affected by a software development project. Stakeholders exist both within the organization and outside of it. Here is the list of stakeholders connected to the project:
    - Students/ Professionals:
        - The system helps the students and professionals in creating schedules for certain tasks which include all sorts of activities like

Homework, Assignments, Exams, Deadlines, Meetings and so on depending on the profession of the individual.

- Developers:
  - They build the software based on feedback from other stakeholders, but they're also stakeholders in their own right. They have the technological expertise necessary to advise executives on which features are feasible and how long each would take to build.
- Content Writers:
  - Researching industry-related topics (combining online sources, interviews and studies) Writing clear marketing copy to promote our products/services. Preparing well-structured drafts using Content Management Systems.