Business Idea Description

TUM Nostradamus is a web application which empowers various stakeholders in a business organization to efficiently design solutions to given tasks using design patterns as a foundation.

Background / Problem Statement

In the modern day, the presence and influence of software applications in all industries is extensive. Inevitably, this leads to the requirement of patterns to ease the design, development, deployment and maintenance of software applications. However, with the presence of numerous technologies and methodologies, the various stakeholders involved in a project have to ensure that the right pattern is chosen based on the results of the requirements engineering phase.

Project Objective

The primary objective for the project is to design and develop a web application which takes in the result from the Requirements Engineering Phase as input and suggest the best possible design pattern that can be used to meet the current goals. The importance of the Design Phase in every Software Lifecycle cannot be underestimated. Considering the importance of the Design Phase in every Software Lifecycle, the application can be used as a support tool to significantly reduce the time invested in choosing the right design to be implemented.

Scope
The initial implementation will involve the suggestion of the appropriate design pattern for a given project. Furthermore, it can be extended to suggest the best possible technology stack / framework in addition to the design pattern as well.