Velocity: an efficient workflow management tool for teamwork

Project Abstract

by

CMPE 295A

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ABSTRACT

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Agile software development practices are being adopted at an exponential rate due to their ability to help organizations build and deliver software solutions at a faster pace. Based on a study published in the Bulgarian Academy Of Sciences in 2019, about 71% of organizations have stated that by using agile practices they have benefited 28% more in terms of revenue and development than using the traditional practices such as Waterfall Model, Incremental Model, Spiral Model etc. Due to the agile methodology's flexible scope and continuous delivery practices, efficient products at lower costs are developed which aids both the business and the customer.

Managing tasks and task boards on a daily basis, keeping track of and updating ongoing/pending tasks, and maintaining their history or documentation manually slows down the agile process. As the world is moving towards a more distributed and remote work style, communication among distributed teams can be difficult to manage. Thus, a workflow management tool is required that automates all these tasks, alleviating the burden from management and driving sole focus to product development.

With this project, we intend to create a web based software solution to provide the organizations with a tool that helps manage all the projects and tasks from a single workspace as per the requirements. We aim to provide functionalities to have feature rich discussions per task with history management, automatic chart generation to track the projects, reminders, priorities and much more to overcome the problems discussed above.