

DevAssist

Developer Assistant for VisualStudio

by

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Declaration

I declare that this thesis is my own work and has not been submitted in any form for another degree or diploma at any university or other institution of tertiary education. Information derived from the published or unpublished work of others has been acknowledged in the text and a list of references is given.

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Abstract

With the rapid growth of the information technology, large number of programmers enter the software development field every year. Having tough deadlines in their day to day task completion, the performance monitoring for career growth, the inner contest is higher and the availability for peers is less. Due to higher complexity of the software components, the developer face lack of technology knowledge and domain knowledge every phase when solving deep logics. DevAssist is the best solution to feed knowledge into developer's mind. It is always better to have a method to guide developers in programming tasks acting like an experienced peer especially considering busy schedule of developers.

DevAssist plugin is an efficient solution that will allow developers to be aware of the updated technology as well as domain strategies. Considering business perspective, any software company may satisfy if there are many exceptional developers there. As developer, anybody would like to have someone as a peer overlooking your shoulder and providing guidance. So DevAssist is a way to have positive responses for own desires.

Basic idea of implementing such a system is to, make it easier to solve complex logical problems by suggesting solutions to the developers. Here it uses fewer inputs for the system and system will run as a background process. This will help users of the system to continue their focus smoothly as user doesn't have to bother on saving the useful content time to time manually. In this effort application is fed by the inputs automatically and then it detects user activities.

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