



Bilkent University  
Computer Engineering Department  
CS 491 Senior Design Project I

## Assessment of Innovation Form

ID and Title of the Project: T2309 - Expert Developer Finder

Team Member IDs: 21801897, 21902206, 21903448, 21902240, 21802539

Name of the Supervisor: Eray Tüzün

*Below questions needs to be filled by the Innovation Expert*

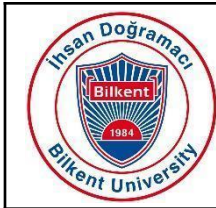
*Considering the definition of innovation as "creation of better or more effective products, systems, services, or technologies that have the potential to be accepted by markets, governments, and society", please assess the innovativeness of the design project with below questions.*

**1) The project and subject that is proposed and presented to you is:**

Criteria	Poor	Unsatisfactory	Satisfactory	Good	Outstanding
Technically feasible:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X
You see enough market demand:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X
Development planning is done well	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X
Enough research done for marketplace and competitors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>
Delivers enough value or solves a real problem	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X

**2) What is the nature of the innovation you see in this project? Do you have any suggestion to improve converting the knowledge and idea of the subject more into benefit and value?**

Expert developer finder in the context of code reviewer recommendation and bug assignee recommendation is heavily researched in the Software Analytics



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domain. There are also fairly good number of tools available for this purpose as well. According to my knowledge, expert developer finder in the context of mentor finding for a given code piece/file/folder/error message have not been tackled before.

**2) Are there any unaddressed risks that team members need to consider during implementation?**

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- Fetching data from repositories could take more time than the original estimates. The real life data is always messy. (Many corner cases and details need to be assessed). The team has to make sure to start practicing with fetching out data early in the project lifecycle.
- The project team needs to find some example projects from the open source domain. This is needed to perform many practices before we present our application to software practitioners.
- Although the current list of features look impressive, the project team still needs to verify the importance and priority of the features with real software practitioners. It would be a good idea to conduct a survey with software practitioners to gather their feedback related to the app idea.

**3) Any suggestions while shaping go to market strategy?**

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- More research should be done related to competitors. We want to make sure that we have a perfect understanding of the domain and competitors to better position this product.

**Innovation Expert**

Name: Eray Tüzün

Date: 17/10/2022

**Final Expert Score: 5 (out of 5)**

Scale:

(1) Poor, (2) Unsatisfactory, (3) Satisfactory, (4) Good, (5) Outstanding



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Signature: