

Real-time Decision Support System for Infrastructure and
Logistics Management Disastrous Situations
Arctic Donkeys

Sprint Evaluation

What is the progress of your project in this sprint? What goals are achieved? What problems are overcome? If you are updating your plans what are your justifications?

In this sprint, we had a meeting with Etkin Hasgul. During this meeting, we have tried to figure out how we can improve the earthquake algorithm. As a result of this, we have established the main structure of algorithm; however, we need more detailed and academic basis. Because of this, we have decided to do some academic research regarding this issue. In addition, we will have a meeting a researcher from Civil Engineering Department. Other than these, we have constructed the borders of Kadıkoy and created the points inside the border. While creating the borders, we have used Google Map API internet application. Application extracts points from event of mouse clicking. We don't have exact borders since application is not able to show the borders of districts. Nevertheless, we have very close borders because we consider the exact borders of Kadıkoy while extracting points. Moreover, we have created the database connection on our local server. We have also adapted the database into our Javascript code with respect to the MVC design pattern. Now we are able to create points and store them within our database. We have also added an property that user can select any point from the map as an earthquake initial point. We have completed the all work stated on previous backlog update. It can be said that we are fairly done with the project.

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Team evaluation

How well your team working together? How many meetings did you hold? Are you planning any changes in your cooperation strategy? Which work is completed by which member (in a Gannt chart)?

As a team, we have good division of labor. We have met 3 times until last sprint. For database connection two of us have worked. One of us have worked on border detection. Two of us have meet with Etkin Hasgul. Two of us have made improvements on frontend and backend parts. Details of the works are described in part 1. Everyone completed his/her work on time.

Task	Assigned Members	1st Week	2nd Week
Frontend Backend improvements	Onur Yılmaz Göksucan Akın	+	+
Database Connection and Implementation	Onur Yılmaz Arda Aslan	+	+
Algorithm meeting	Zeynep Miray Mazlumoğlu		+
	Göksucan Akın		+
	Arda Aslan		+
Border Detection and Related issues	Zeynep Miray Mazlumoğlu	+	

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Backlog Updates

What are your backlog updates?

Border extraction for one more district.

Academic research and meeting for algorithm design.

Creating path to areas under high risk.