

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?

Throughout this sprint, we have implemented point creation algorithm for Bağcılar. However, we have encountered a bug that the algorithm extracts some points outside a specified border. This happened because we have used wrong data for determining the border. Now, this bug has been solved and points are regenerated with respect to new algorithm. Moreover, 25328 building entries are created for Kadıköy each with number of floors, age of building, construction material of building, ground type of building, longitude and latitude information, heating material, id of the building, district of the building and lastly number of rooms of a building. These are added to database. We have created data for Bağcılar but didn't insert them to database. By the next sprint, database operations will be fully done. In addition to these, academical research has been completed. We have found information in paper named "ASSESSMENT OF VULNERABILITY TO EARTHQUAKE HAZARDS USING SPATIAL MULTICRITERIA ANALYSIS: ODUNPAZARI, ESKİSEHIR CASE STUDY" written by Mehmet Servi, showing a relationship between age , number of floors and collapse risk of a building which will help us to construct a more correct decision tree to go further with the algorithm implementation of our project. Other than these, we can now draw paths between source and destination points so we are capable of distribute sources from AFAD units to high risk areas by creating a route between them. We are also providing alternative paths to the destination. Lastly, the final presentation has been prepared which includes all progress of Conveyor.

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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 5 times until last sprint. For database entry insertion three of us have worked. One of us have worked on the bug about the point creation. Two of has worked on Google Maps API. Two of us have made improvements on frontend and backend parts. Two of us have worked on re-designing the poster. 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 Arda Aslan Göksucan Akın	+	+
Database Updates	Onur Yılmaz Arda Aslan Zeynep Miray Mazlumoğlu		+
Algorithm Implementation	Zeynep Miray Mazlumoğlu Arda Aslan		+
Point creation and Related issues	Zeynep Miray Mazlumoğlu	+	
Presentation Preparation	Onur Yılmaz Göksucan Akın Zeynep Miray Mazlumoğlu		+

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	Arda Aslan		+
Google Maps API	Onur Yılmaz Arda Aslan Göksücan Akın	+	+

Backlog Updates

What are your backlog updates?

STD document will be prepared.

Database operations about Bağcılar will be completed.

Decision tree implementation will be done.

Promotional video will be recorded according to the feedback.

Poster creation will be done