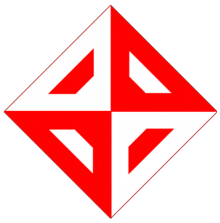

Software Requirements Specification for

Afet Bilgi

Emre Geçit, Baran Yancı

April 11, 2023

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1 Introduction

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1.1 Purpose of the System

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1.3.1 System Perspective

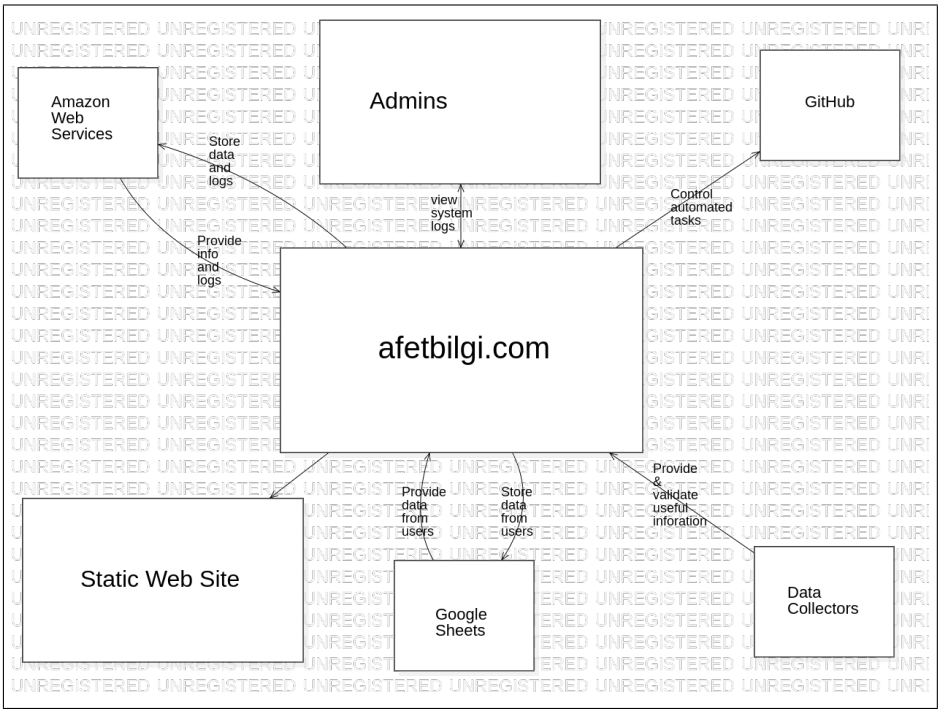

Figure 1: Context Diagram

The `afetbilgi.com` product is not an element of a larger system. The project is split into two main parts. The first part is the front-end of the website. The second part is the cloud services that is used to store and process the data. The front-end is a web application that is developed using TypeScript and the ReactJS framework. The front-end uses packages like MUI and is hosted on the static website `afetbilgi.com`. For the cloud services, the project uses Amazon Web Services (AWS) and the serverless framework. Alongside AWS, GitHub Actions is used for continuous integration and continuous deployment (CI/CD). The cloud services process the data and store it in a database. The data comes from individuals who enter and/or validate the data. The data is collected in Google Sheets and then processed by the cloud services. The cloud services are hosted on AWS. GitHub actions are also responsible for generating PDF files including information about affected areas, from the data in the database.

The PDF files are then stored in the cloud services and can be accessed by the front-end.

1.3.2 System Functions

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