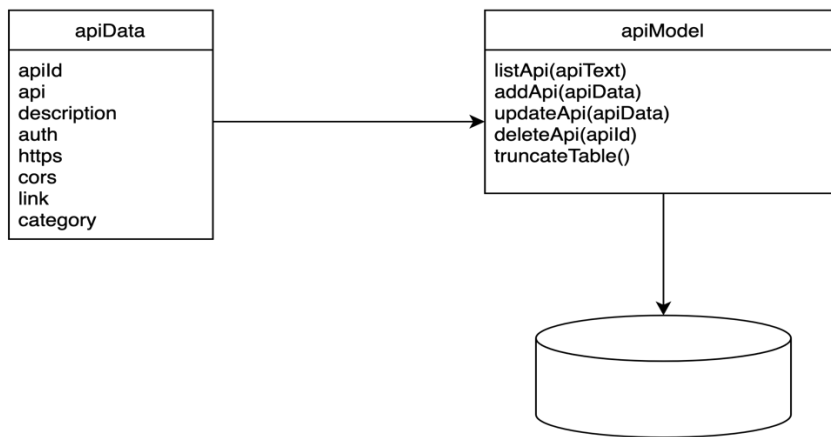


Data Source Architecture

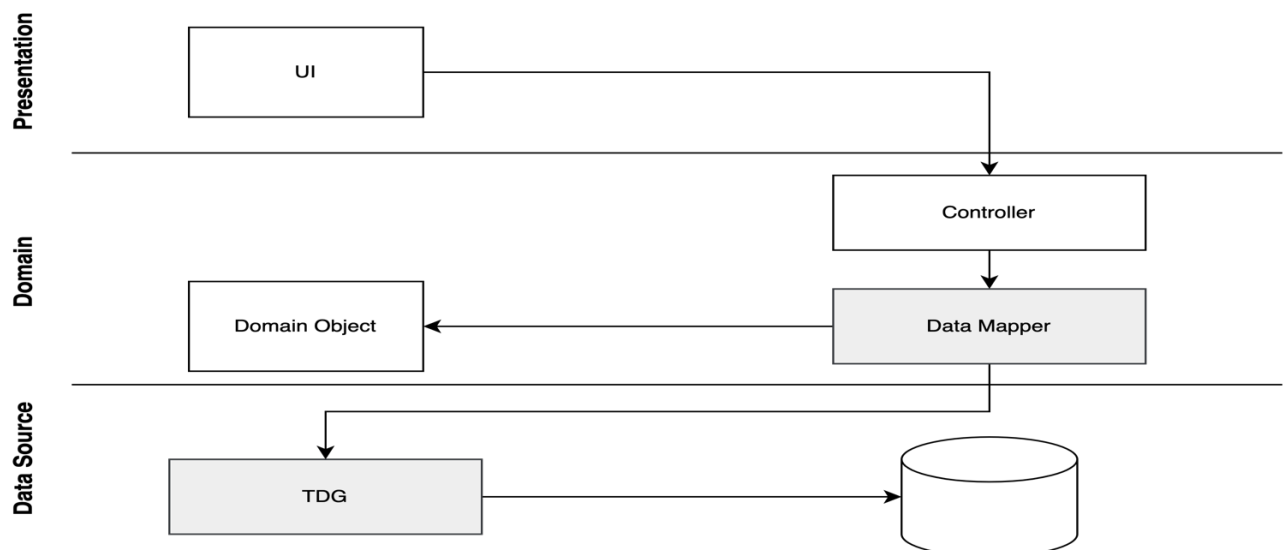
Table Data Gateway

A Table Data Gateway holds all the SQL for accessing a single table or view selects, inserts, updates, and deletes. Other code calls its methods for all interaction with the database.



apild	api	description	auth	https	cors	link	category
1	AdoptAPet	Resources to get...	apiKey	true	yes	www.adoptapet.com	Animals
2	Axolotl	collection od Axolotl...	null	true	no	https://theaxolotl.net	Animals

3-Layered architecture combining Data mapper and TDG



Overview

A Table Data Gateway (TDG) also known as Data Access Object is a Gateway to a database table which acts as an intermediary between domain objects and the database. An TDG has an interface for accessing (all the rows in) a single table: select, insert, update and delete. Domain objects send messages to the TDG for all interaction with the database. A Data Mapper moves data between objects and a database while keeping them independent of (and isolated from) each other and the Mapper itself.

In the above architecture, the controller calls the method in the Data Mapper which sends message to TDG for interaction with the database. In this project, apiData is the Domain Object and apiModel is the mapper having SQL parametrized queries such as listApi, addApi, updateApi, deleteApi, etc., The apiModel sends the message to the Table Data Gateway for all interaction with the database.