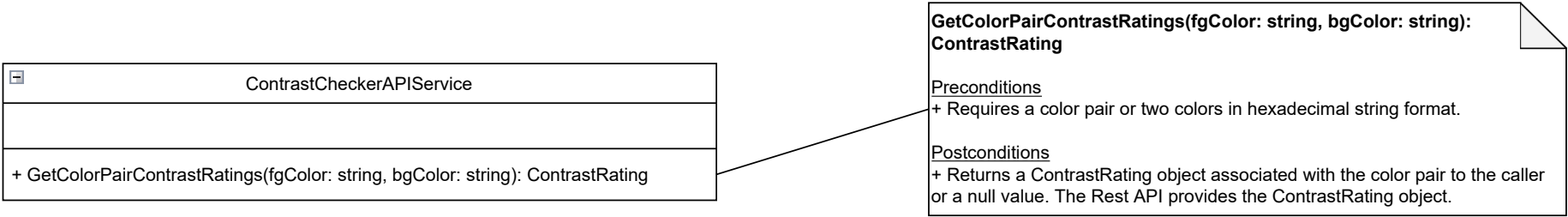


Class Diagram

ContrastCheckerAPIService, ColorMindAPIService, ContrastRating, and ColorPair Classes - Descriptions, Methods' Preconditions & Postconditions

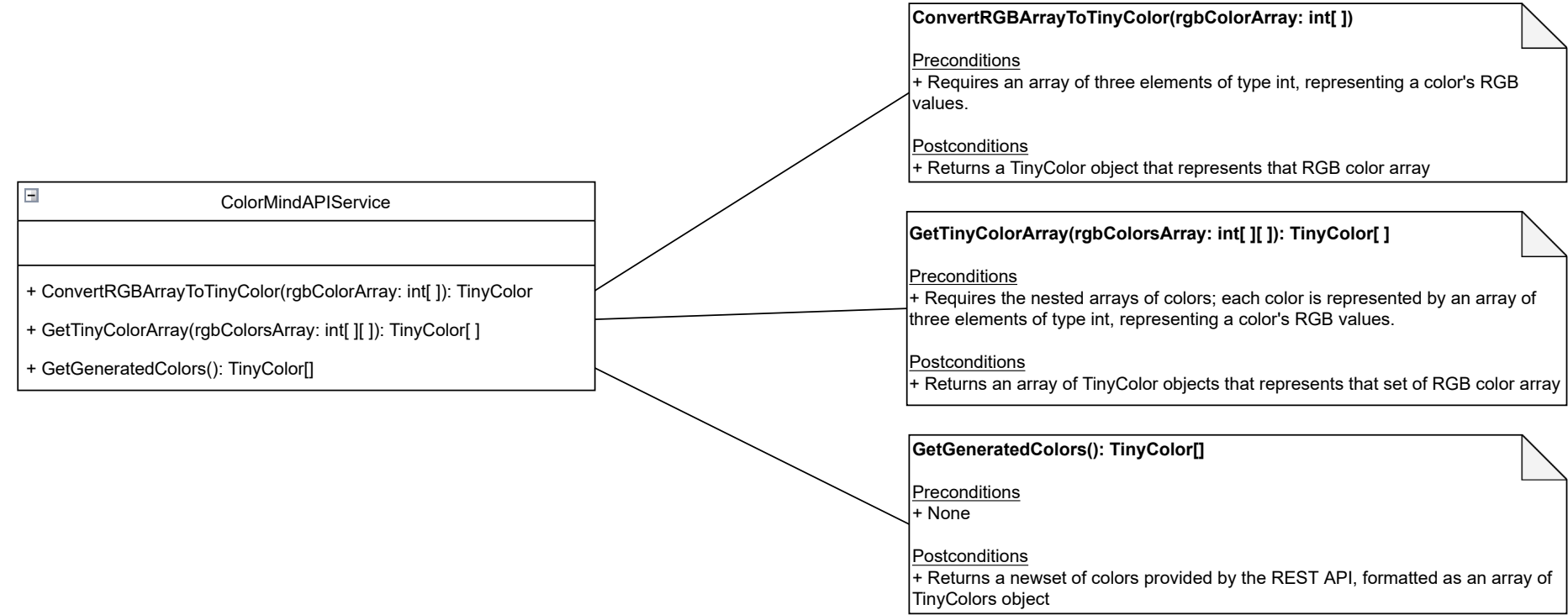
CD-1C



Additional Description: ContrastCheckerAPIService Class / Object

The ContrastCheckerAPIService class serves as an API Service layer. The ContrastCheckerAPIServices takes two colors in Hexidecimal strings, makes a GET HTTP Request with Axios to the Web Aim Contrast Checker REST API, and returns either a ContrastRating object if the request was successful or a null object if the request failed due to network issues. Depending on the object return, the caller will handle the outcome. The service logs any error on the console.

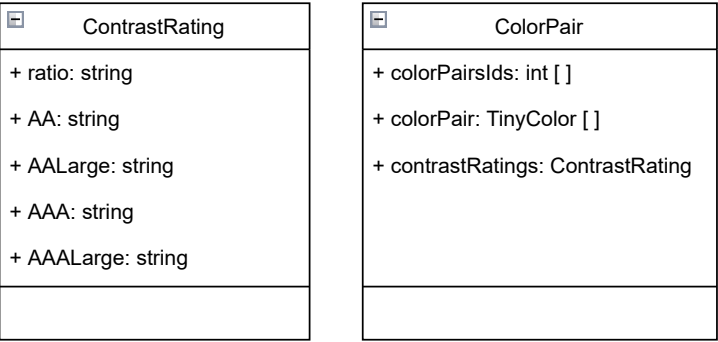
API calls performed and data retrieved in a separate layer ensure separation of concerns and code reusability by ensuring accessibility in other components or classes in the application that may require it.



Additional Description: ContrastCheckerAPIService Class / Object

The ColorMindAPIService class serves as an API Service layer. The ColorMindAPIService takes a predefined object and places it in a request body, making a POST HTTP Request with Axios to the Color Mind REST API. If successful, it converts the results into an array of TinyColor objects returned to the caller. If the request fails due to network issues, the service logs the error to the console and returns a null value to the caller. Depending on the object return, the caller will handle the outcome.

API calls performed and data retrieved in a separate layer ensure separation of concerns and code reusability by ensuring accessibility in other components or classes in the application that may require it.



Note: These classes contains no methods, and will not have any preconditions or postconditions

Additional Description: ContrastRating Class / Object

The ContrastRating class is a model class used to define a set of properties to model the WCAG contrast rating data sent by the Web Aim Contrast Checker API.

The ContrastRating class is a model class used to define the object's properties type.

This class defines the types of various class properties or method returns.

Additional Description: ColorPair Class / Object

The ColorPair class is a DTO class used to define a set of properties that holds information about two palette colors and their WCAG contrast ratings.

The ColorPair class defines the type for one of Palette's class property..

The properties in the ColorPair objects are used to hydrate and populate content within components and the Contrast Checker page.