

# StockSymbolCollection API Documentation

## Overview

The `StockSymbolCollection` class provides methods for loading stock symbols from a CSV file, validating the tickers, fetching their beta values, and displaying the results.

## Class Methods:

```
exec(csv_filename: str) -> None
```

- Purpose: Validates tickers, fetches their beta values, and displays the results.
- Parameters:
  - `csv_filename (str)`: Path to the CSV file containing stock tickers.
- Returns: `None`
- Usage:
  - `StockSymbolCollection.exec('path_to_csv.csv')`

## Instance Methods:

```
__init__(self, csv_filename: str) -> None
```

- Purpose: Initializes the `StockSymbolCollection` instance and loads the tickers from the specified CSV file.
- Parameters:
  - `csv_filename (str)`: Path to the CSV file.
- Returns: `None`

```
validate_tickers(self) -> None
```

- Purpose: Validates the stock tickers, saves valid and invalid tickers to separate CSV files, and reinitializes the tickers list with valid ones.
- Parameters: `None`
- Returns: `None`

```
fetch_beta_values(self) -> None
```

- Purpose: Fetches beta values for each ticker in the collection.

- Parameters: None
- Returns: None

```
_fetch_beta_for_ticker(self, ticker: str) -> Dict[str, float]
```

- Purpose: Fetches the beta value for a specific ticker.
- Parameters:
  - `ticker (str)`: The stock ticker.
- Returns:
  - `Dict[str, float]`: A dictionary containing the ticker and its beta value.
- Note: This is a private method and is not meant to be called directly from outside the class.

```
display_beta_values(self) -> None
```

- Purpose: Displays the beta values for each ticker, sorts them, and saves them to a CSV file.
- Parameters: None
- Returns: None