**Subtitle Splitter:**

**Assumptions:**

1. Divided long text in small parts of 25 char but if any word break while applying rule1 then that word will come in next part. Means length of small parts can be less than 25.
2. Created Web API is a POST method. As we are getting input in format of paragraph (Text) so I have taken a raw string as an input in request body. We can use json or any other format if required.

**Project Detail:**

1. **SubtitleSplitter Project**: In “SubtitleParser.cs” file of this project, I have written main logic to parse long text into array of string.

public string[] Parse(string str)

1. **SubtitleSplitter.Tests Test Project**: I have written automated test cases for testing above functionality.
2. **TitleSplitterAPI Project**: This Project provides rest API to access Parse Data based on Long Text in json Format. API written in Controller “Controllers/SplitterController.cs” which calls string[] Parse(string str) function of SubtitleSplitter Project.

It supports following API

* POST /api/Splitter/GetParseData

Return parse data

Request Body

Raw Text, Example: “Hi”

Return Type

JSON, please find the response section below for sample JSON response

[{"titleString":"Hi"}]

Example

* http://SHAIF:90/api/Splitter/GetParseData

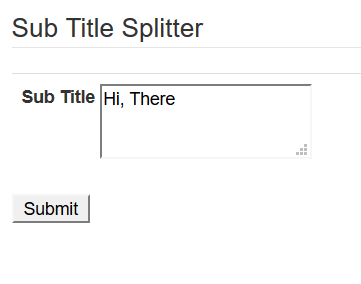
1. **TitleSplitterAPI.Tests Project**: Provide test case for Web API.
2. **TitleSplitterWeb Project**: This is a MVC based web application which is calling web api and return data in UI in tabular format based on input provided in text area.

Web URL: http://localhost:4548/Views/TitleText/Index

Note: Please update below Web API URL in web config file of Web Project.

<add key="APIURL" value="http://localhost:3880/"/>

**Screenshot:**

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