

Document Template Creator Assignment

Objective

Create a document template creator with styling options with preview functionality.

Requirements

- Editor for customizing document elements: Support for header, body, and footer customization
- Comprehensive styling options: Styling capabilities for all document components
- Live preview: Real-time preview using any open source library
- Rich document elements: Support for text formatting, tables, and other document components

Sample JSON Configuration

json

```
{
  "baseStyle": {
    "page": {
      "padding": 30,
      "fontSize": 12
    },
    "header": {
      "textAlign": "center",
      "marginBottom": 20
    },
    "footer": {
      "fontSize": 10,
      "textAlign": "center",
      "marginTop": 10
    },
    "text": {
```

```
    "fontSize": 12,
    "marginBottom": 5
  },
  "listItem": {
    "fontSize": 12,
    "marginLeft": 10
  },
  "date": {
    "fontSize": 12,
    "marginBottom": 10,
    "textAlign": "right"
  },
  "table": {
    "marginVertical": 10,
    "border": "1px solid black"
  },
  "row": {
    "flexDirection": "row",
    "borderBottom": "1px solid black",
    "padding": 5
  },
  "cell": {
    "flex": 1,
    "textAlign": "center"
  },
  "signature": {
    "marginTop": 20,
    "fontSize": 12,
    "textAlign": "right"
  },
  "tamilText": {
    "fontSize": 14,
    "fontFamily": "NotoSansTamil",
    "marginBottom": 5
  },
  "boldText": {
    "fontWeight": "bold"
  },
}
```

```
"italicText": {
  "fontStyle": "italic"
},
"underlineText": {
  "textDecoration": "underline"
},
"strikethroughText": {
  "textDecoration": "line-through"
}
},
"pages": [
  {
    "header": {
      "elements": [
        {
          "type": "text",
          "content": "Confidential",
          "style": {
            "fontWeight": "bold"
          }
        },
        {
          "type": "text",
          "content": "Office of XYZ",
          "style": {
            "marginBottom": 5
          }
        }
      ]
    },
    "body": {
      "elements": [
        {
          "type": "date",
          "format": "DD/MM/YYYY"
        },
        {
          "type": "text",
```

```

        "content": "Memo Title",
        "style": {
            "fontSize": 16,
            "fontWeight": "bold"
        }
    },
    {
        "type": "list",
        "items": [
            "Recipient Name",
            "Recipient Address"
        ]
    },
    {
        "type": "table",
        "columns": [
            "Item",
            "Description"
        ],
        "rows": [
            [
                "Budget",
                "Allocated for Q1"
            ],
            [
                "Timeline",
                "March - June"
            ]
        ]
    }
],
},
"footer": {
    "elements": [
        {
            "type": "text",
            "content": "Page {pageNumber}"
        }
    ]
}

```

```
}  
  ]  
}  
}  
]  
}
```

Evaluation Criteria

- Template Editor Implementation: Quality and functionality of the template editing interface
- Preview Quality: Accuracy and performance of the live preview
- Document Elements Support: Coverage of various document elements (text, tables, lists, etc.)
- Styling Capabilities: Comprehensive styling options and customization features
- Code Structure and Maintainability: Clean, well-organized, and maintainable codebase

Submission Guidelines

1. Repository Setup: Create a GitHub repository with your complete implementation
2. Documentation: Include a comprehensive README with:
 - Setup and installation instructions
 - Usage guidelines
 - Any assumptions made during development
3. Browser Compatibility: Ensure the application is responsive and works in modern browsers
4. Deadline: Submit the repository link by the specified deadline

Technical Notes

- Use React.js for the frontend implementation
- Use asp.net for the backend implementation
- Use mongoDb for database.
- Ensure responsive design for various screen sizes
- Implement proper error handling and user feedback

Good luck with your implementation!

