# Assignment: Dynamic PDF Generation

Build a Spring Boot Application with REST API to generate PDF using Java Template Engine.

## Requirement

- REST API to accept data and generate a PDF based on the received data.
- Ability to download the above-generated PDF
- Store the above-generated PDF on the local storage and redownload it when the same data is provided instead of generating it again.

Use Java Template Engines like [Thymeleaf](#) or iText to generate the PDF and store it on the local storage which can be retrieved later. The input should have a proper schema.

## Example

The request body of the API call looks something like this:

```
Unset
{
  "seller": "XYZ Pvt. Ltd.",
  "sellerGstin": "29AABBCCDD121ZD",
  "sellerAddress": "New Delhi, India",
  "buyer": "Vedant Computers",
  "buyerGstin": "29AABBCCDD131ZD",
  "buyerAddress": "New Delhi, India",
  "items": [
    {
      "name": "Product 1",
      "quantity": "12 Nos",
      "rate": 123.00,
      "amount": 1476.00
    }
  ]
```

```
    }
```

This should generate a single-page PDF as below:

| Seller:<br>XYZ Pvt. Ltd.<br>New Delhi, India<br>GSTIN: 29AABBCCDD121ZD | | Buyer:<br>Vedant Computers<br>New Delhi, India<br>GSTIN: 29AABBCCDD131ZD | |
|---|---|---|---|
| Item | Quantity | Rate | Amount |
| Product 1 | 12 Nos | 123.00 | 1476.00 |
| | | | |

**Note**
- Only REST APIs are required. No UI.
- Testable on Postman / Swagger.
- Will prefer properly structured code.
- Will prefer Test Cases (TDD).