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Simple convertor from Excel xls/xlsx file to Java pojo class

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ZPavel ...

on Apr 14, 2020

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excelToPojo

Simple convertor from Excel xls/xlsx files to Java pojo class

Having an xls/xlsx extension file we want to parse in Java :

Id	Name	Manufactured	In Stock	Count	Categories	Unit Price	Last Updated
1	Tennis balls	2020-05-01	1	4	Sports, Leisure	5.55	2020-05-01T12:00:00

One of the most advanced and popular library for parsing Excel files in Java is Apache Poi. This library allows you to read this kind of files but doesn't provide a simple way to parse an xls/xlsx files to a Pojo class.

ExcelToPojoFile is simple utility class that can help you to fill this gap. It uses Apache Poi

 README.md

To parse an Excel file and get a list of pojos :

First create a pojo class you would get :

```
@Data
@NoArgsConstructor
public class Pojo {
    private Long id;
    private String name;
    private LocalDate manufactured;
    private Boolean inStock;
    private Integer count;
    private List<String> categories;
    private BigDecimal unitPrice;
    private LocalDateTime lastUpdated;
}
```

The field names of your pojo should use camel case. If needed it could be changed by modifying `strToFieldName` method.

Only these types are managed :

- Long
- String
- LocalDate
- LocalDateTime
- Boolean
- Integer
- List
- BigDecimal

The boolean flag to true in cell is : "1". The list separator is : ";". BigDecimal separator is : ".". These three could be changed to your convenience.

Then call `ExcelToPojoUtils.toPojo` static method and it's done :

```
InputStream is = this.getClass().getResourceAsStream("/ExcelUtilsTest.xlsx");
List<Pojo> pojoes = ExcelToPojoUtils.toPojo(Pojo.class, is);
```

Here is the unit test in `ExcelToPojoUtilsTest` class :

```
InputStream is = this.getClass().getResourceAsStream("/ExcelUtilsTest.xlsx");
List<Pojo> pojoes = ExcelToPojoUtils.toPojo(Pojo.class, is);
assertEquals(pojoes.size(), 1);
Pojo pojo = pojoes.get(0);
assertEquals(pojo.getId(), 1L);
assertEquals(pojo.getName(), "Tennis balls");
```

```
assertEquals(pojo.getManufactured(), LocalDate.of(2020, 5, 1));
assertEquals(pojo.getInStock(), Boolean.TRUE);
assertEquals(pojo.getCount(), 4);
assertEquals(pojo.getCategories(), Arrays.asList("Sports", "Leisure"));
assertEquals(pojo.getUnitPrice(), new BigDecimal("5.55"));
assertEquals(pojo.getLastUpdated(), LocalDateTime.of(2020, 5, 1, 12, 0, 0));
```

Any pull requests or other features could be added in future.

Releases

No releases published

Packages

No packages published

Languages

● Java 100.0%