



**Fast-Report**  
Open-Source

# หัวข้อบรรยาย

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# Fast-Report คืออะไร

Tools ที่จะมาช่วยเราในการออกรายงานได้ ฟรี ง่าย และรวดเร็วขึ้น

Open source report generator สำหรับ

- .NET 6
- .NET Core
- .NET Framework.

สามารถใช้ได้กับ

- MVC
- Web API
- Console Applications

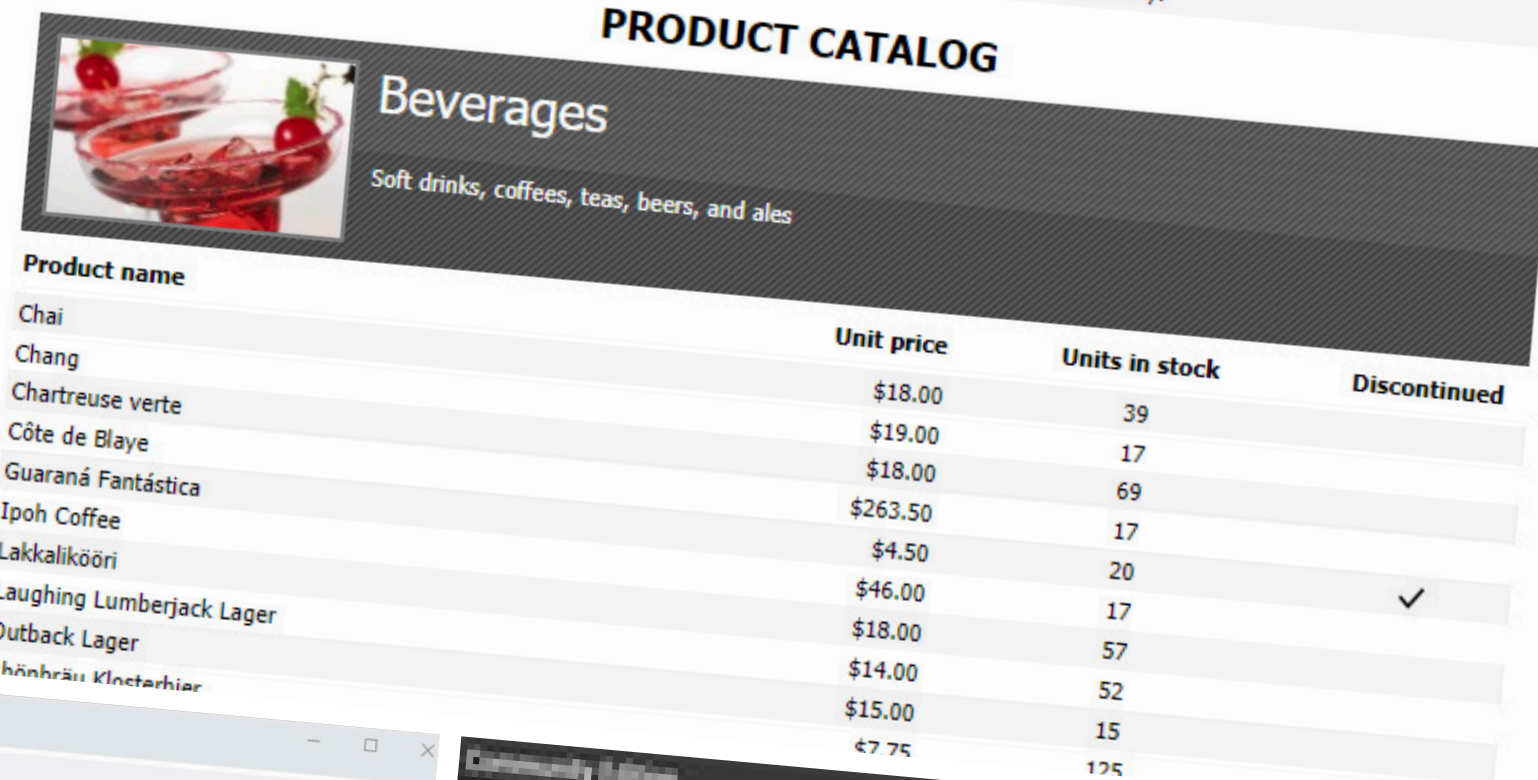
rt, 2-in-1

marks

links, Outline, TOC)

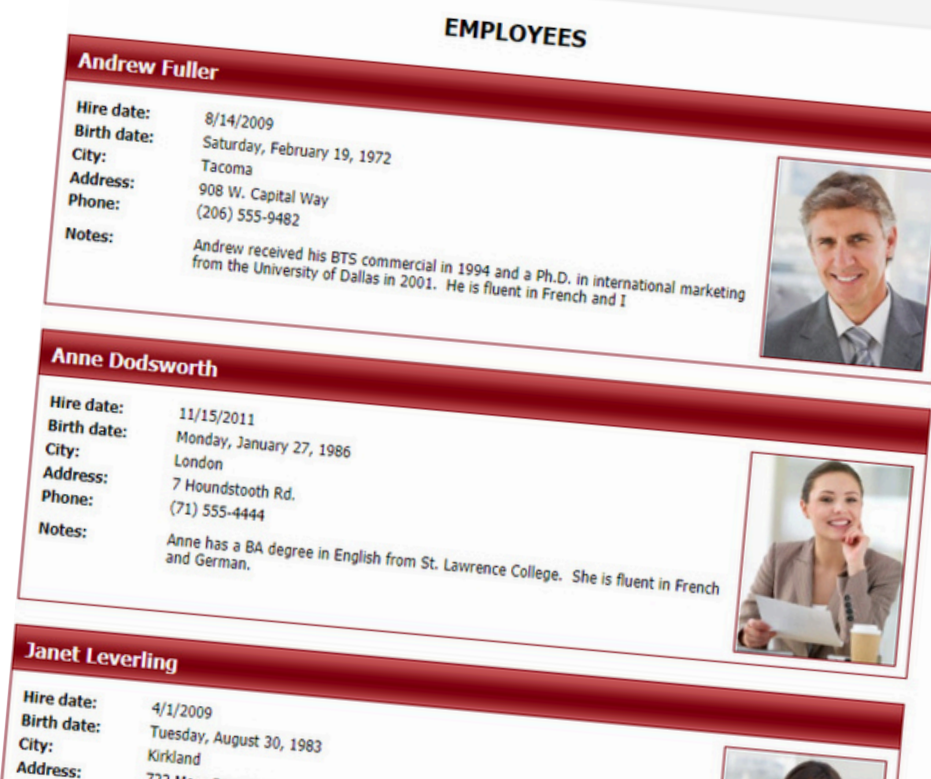
ips




Demonstrates master-detail report. To create it:  
- go to "Report|Configure Bands..." menu;  
- select the existing data band;  
- press the "Add" button and select the "Data" band - this will add a data band to existing one;  
- return to the report page, doubleclick each data band and set its datasource.  
Note: if you have defined the relation between master and detail tables, FastReport will use it automatically.

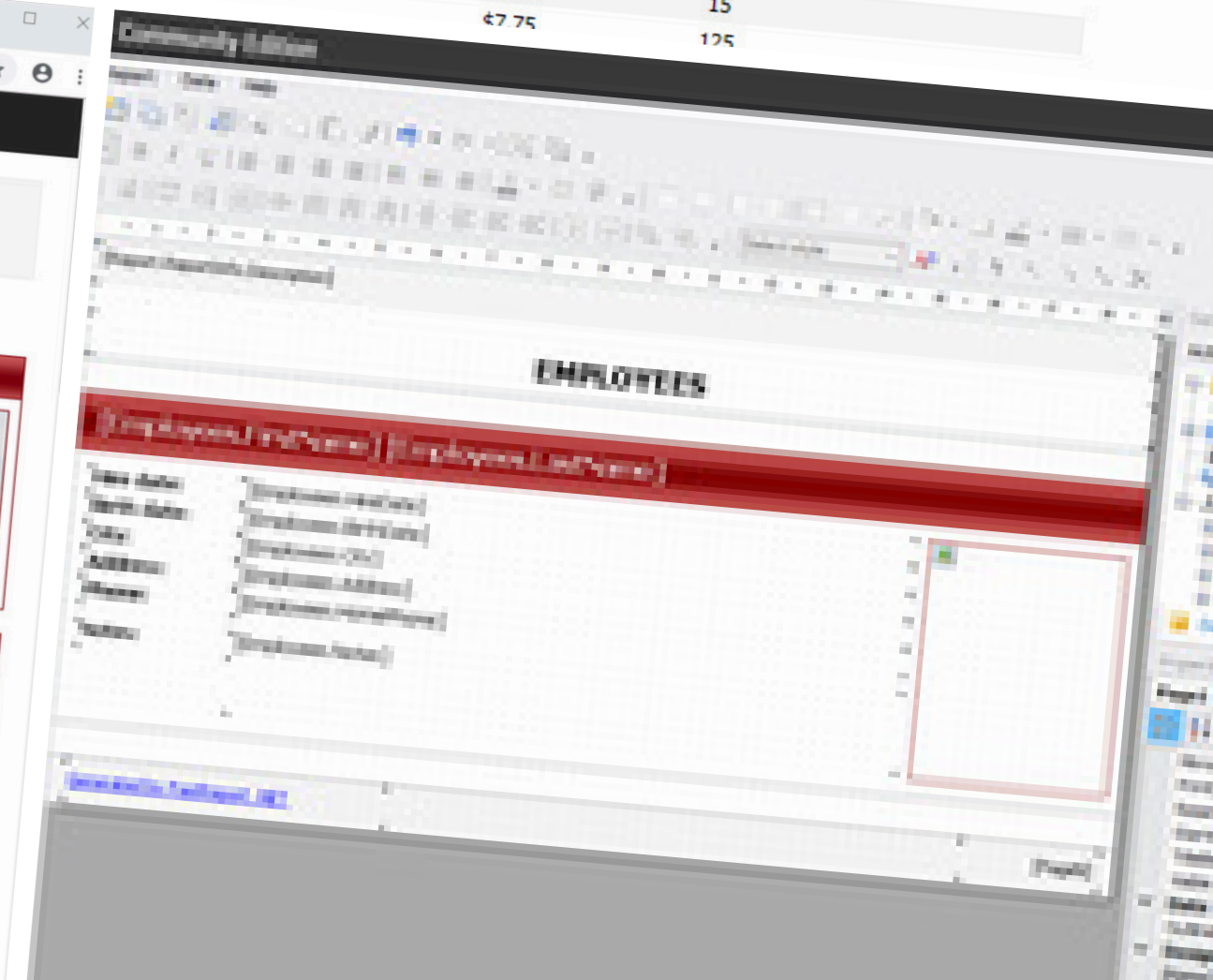





Product name	Unit price	Units in stock	Discontinued
Chai	\$18.00	39	
Chang	\$19.00	17	
Chartreuse verte	\$18.00	69	
Côte de Blaye	\$263.50	17	
Guaraná Fantástica	\$4.50	20	
Ipoh Coffee	\$46.00	17	✓
Lakkalikööri	\$18.00	57	
Laughing Lumberjack Lager	\$14.00	52	
Outback Lager	\$15.00	15	
Phönähräu Klosterhiep	€7.75	125	

Demonstrates simple list report. To create it:  
- go to "Data" menu and select "Choose Report Data..." item to select datasource;  
- go to "Report|Configure Bands..." menu to create the band structure;  
- return to the report page, doubleclick the data band to show its editor;  
- choose the datasource;  
- drag data from the Data Dictionary window to the band.



EMPLOYEES	
<b>Andrew Fuller</b>	
Hire date:	8/14/2009
Birth date:	Saturday, February 19, 1972
City:	Tacoma
Address:	908 W. Capital Way
Phone:	(206) 555-9482
Notes:	Andrew received his BTS commercial in 1994 and a Ph.D. in international marketing from the University of Dallas in 2001. He is fluent in French and I
<b>Anne Dodsworth</b>	
Hire date:	11/15/2011
Birth date:	Monday, January 27, 1986
City:	London
Address:	7 Houndstooth Rd.
Phone:	(71) 555-4444
Notes:	Anne has a BA degree in English from St. Lawrence College. She is fluent in French and German.
<b>Janet Leverling</b>	
Hire date:	4/1/2009
Birth date:	Tuesday, August 30, 1983
City:	Kirkland
Address:	722 M...



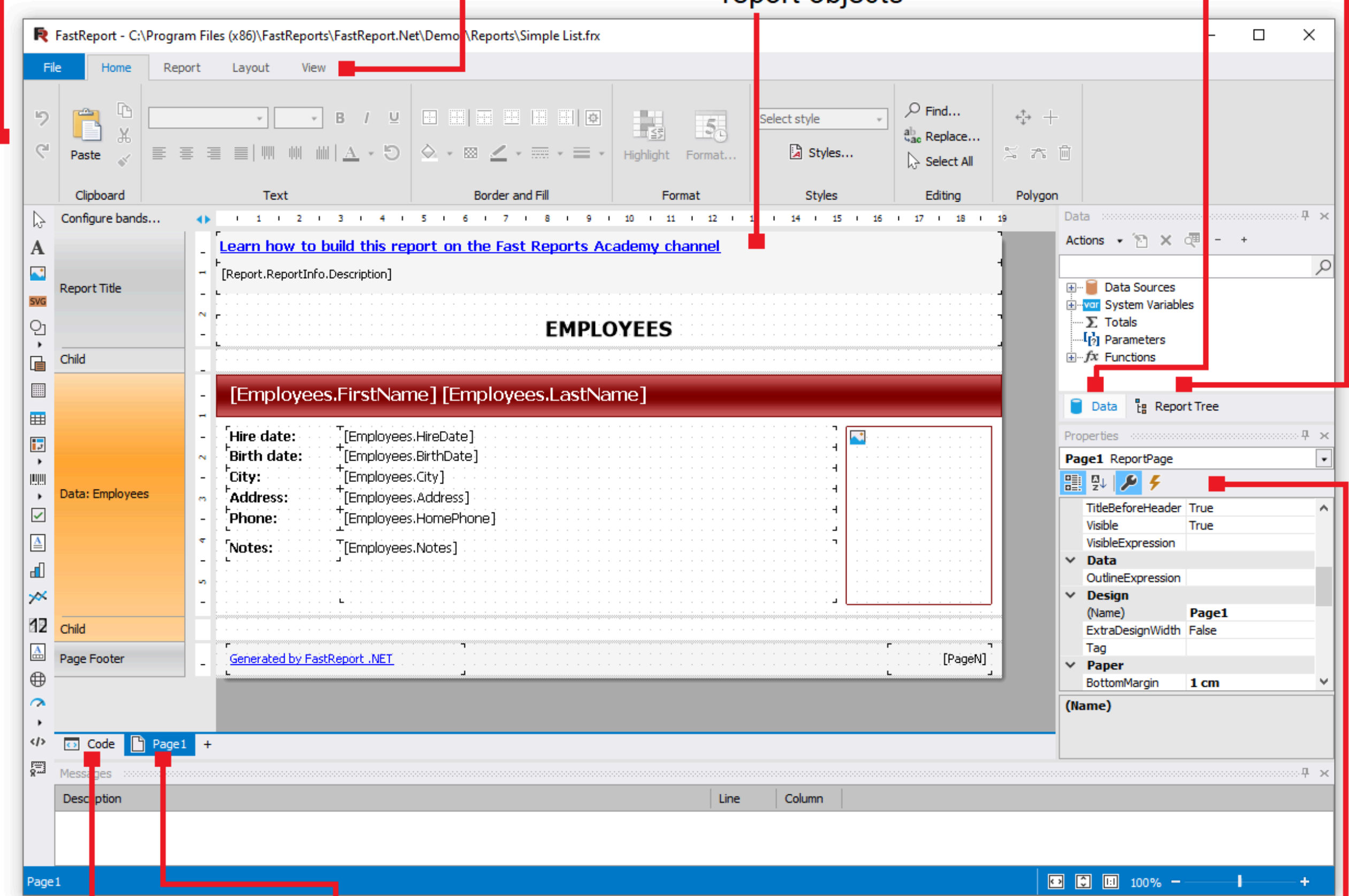
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Ribbon with shortcuts

Ribbon pages

Bands and report objects

Report tree window  
Data window



Report script

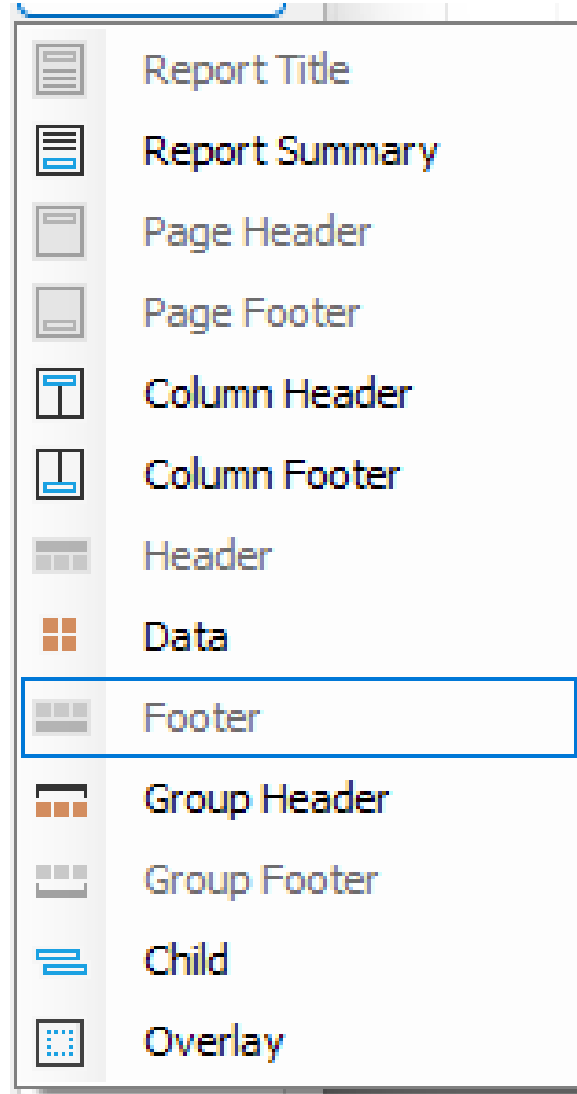
Report pages

Properties window

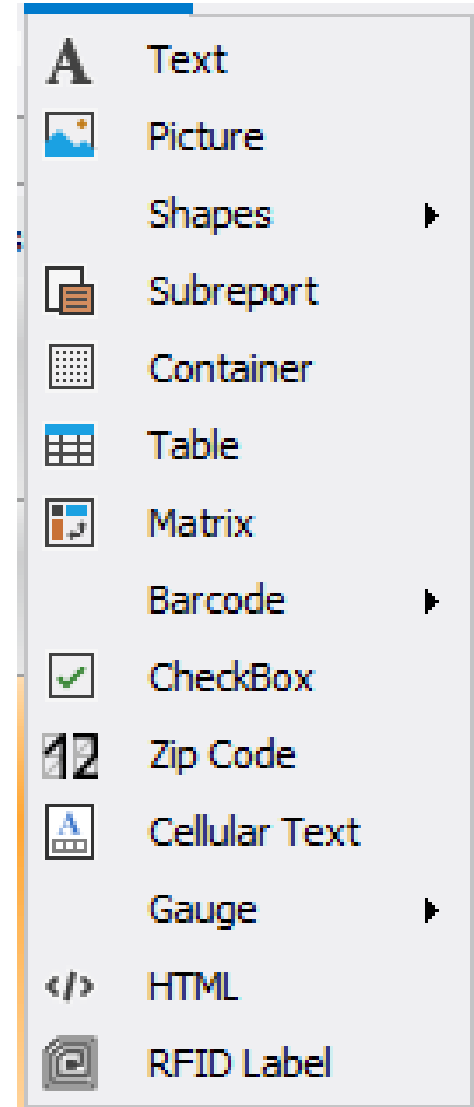
# Report Designer

# Open Source Designer

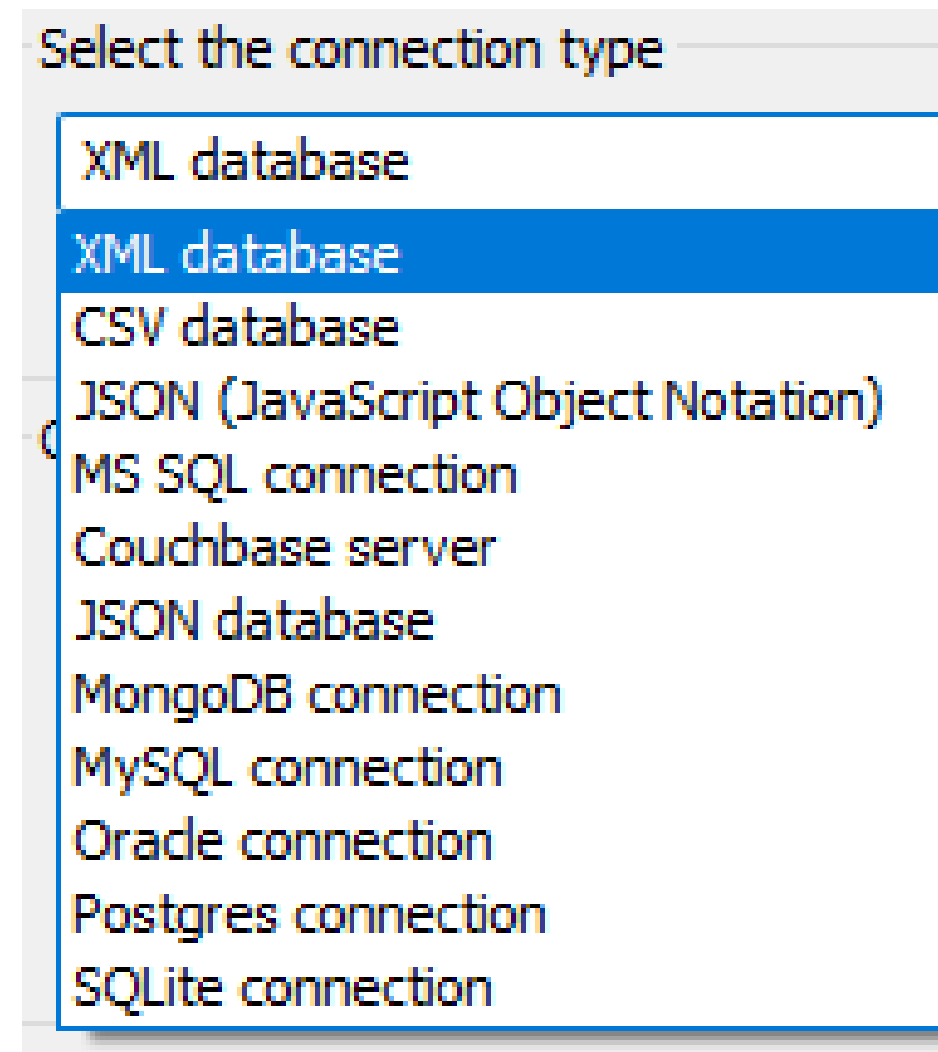
Band-oriented: 13 types



Objects: 8 types



DataSource: 11 types



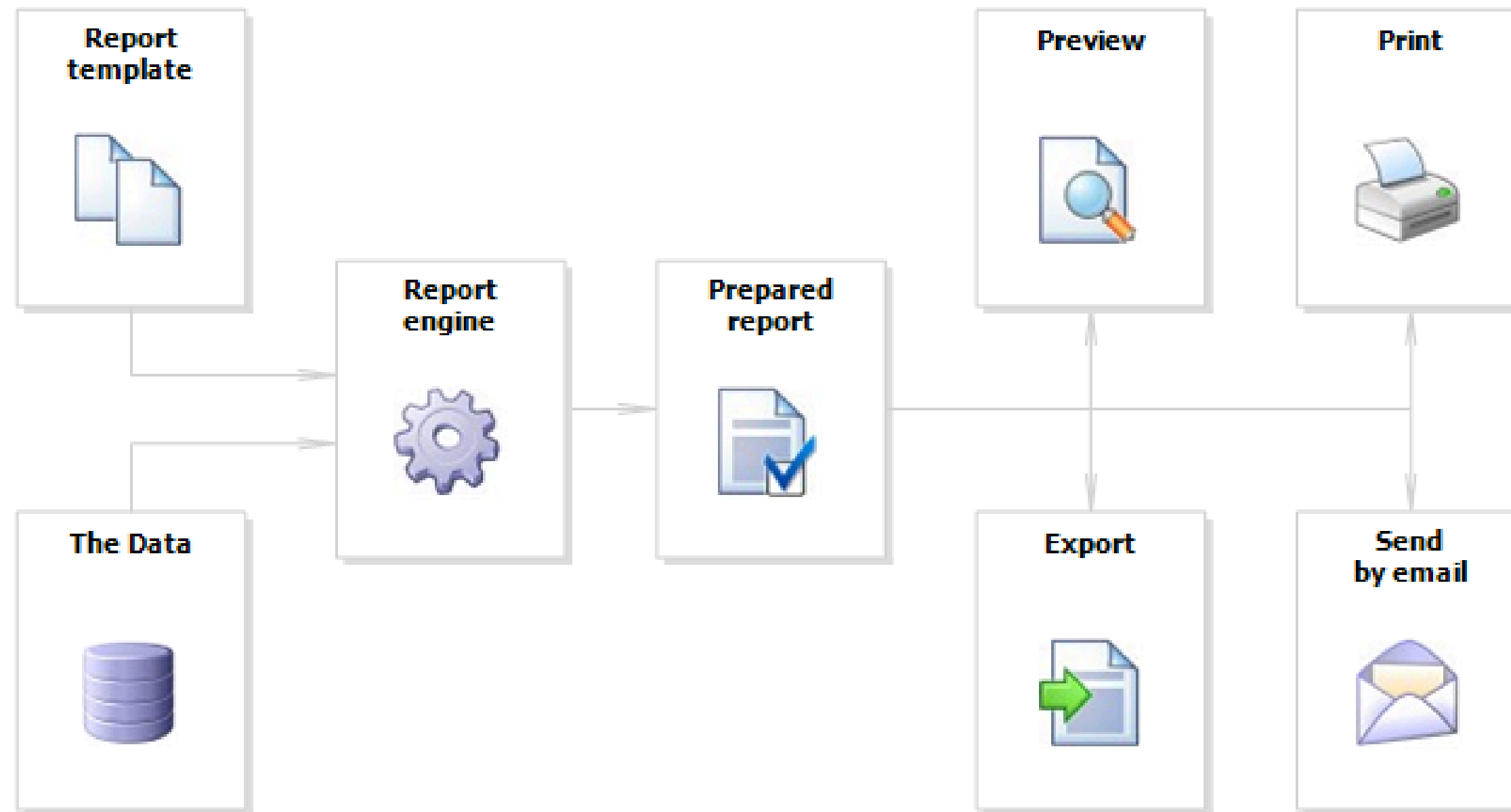
+ BusinessObjectDataSource

Export: 8 types

- HTML
- BMP
- PNG
- JPEG
- GIF
- TIFF
- EMF
- PDF

- FastReport has ability to get data from business objects of IEnumerable type.

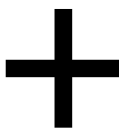
# Implementations





# ReportTemplateI.ftx

```
<?xml version="1.0" encoding="utf-8"?>
<Report ScriptLanguage="CSharp" ReportInfo.Name="testName" ReportInfo.Author="testAuthor"
ReportInfo.Version="1.0.1" ReportInfo.Description="testDescription" ReportInfo.Created="04/02/2025
14:10:09" ReportInfo.Modified="04/04/2025 16:17:57" ReportInfo.CreatorVersion="2024.2.0.0">
  <Dictionary>
    <BusinessObjectDataSource Name="JSON"
      DataType="System.Collections.Generic.List`1[SimpleFastReport.API.DTos.EmployeeReponseDTO,
SimpleFastReport.API, Version=1.0.0.0, Culture=neutral, PublicKeyToken=null]" Enabled="true">
      <Column Name="EmployeeId" DataType="System.Double"/>
      <Column Name="FirstName" DataType="System.String"/>
      <Column Name="LastName" DataType="System.String"/>
    </BusinessObjectDataSource>
  </Dictionary>
  <ReportPage Name="Page2" Watermark.Font="Arial, 60pt">
    <OverlayBand Name="Overlay1" Width="718.2" Height="935.55" Guides="387.45,387.45">
      <TextObject Name="Text12" Width="718.2" Height="85.05" CanGrow="true" GrowToBottom="true"
CanBreak="false" Text="[UpperCase(&quot;Employee list&quot;)]" Padding="2, 2, 2, 2" AutoWidth="true"
HorzAlign="Center" VertAlign="Center" Font="Leelawadee, 20pt"/>
    </OverlayBand>
  </ReportPage>
  <ReportPage Name="Page1" Watermark.Font="Arial, 60pt" ResetPageNumber="true">
    <ReportTitleBand Name="ReportTitle1" Width="718.2" Height="37.8"
Guides="236.25,236.25,236.25,236.25,236.25">
      <TextObject Name="Text7" Width="718.2" Height="37.8" Text="[UpperCase(&quot;Employees&quot;)]"
HorzAlign="Center" VertAlign="Center" Font="Leelawadee, 18pt, style=Bold"/>
      <ChildBand Name="Child1" Top="41.8" Width="718.2" Height="18.9"/>
    </ReportTitleBand>
    <GroupHeaderBand Name="GroupHeader1" Top="64.7" Width="718.2" Height="37.8" Fill="LinearGradient"
Fill.StartColor="LightCoral" Fill.EndColor="Maroon" Fill.Angle="270" Fill.Focus="0.5" Fill.Contrast="1"
Condition="[JSON.EmployeeId]" KeepTogether="true">
      <TextObject Name="Text11" Left="18.9" Width="680.4" Height="37.8" Text="[JSON.FirstName]
[JSON.LastName]" VertAlign="Center" Font="Leelawadee, 16pt, style=Bold" TextFill.Color="White"/>
    </GroupHeaderBand>
    <PageFooterBand Name="PageFooter1" Top="276.15" Width="718.2" Height="18.9">
      <TextObject Name="Text1" Left="614.25" Width="94.5" Height="18.9" Text="[PageN] / [TotalPages#]"
Font="Arial, 10pt"/>
    </PageFooterBand>
  </ReportPage>
</Report>
```



# ReportDataI.json

```
[
  {
    "employeeId": 1,
    "firstName": "John",
    "lastName": "Doe",
    "email": "john.doe@example.com",
    "phone": "123-456-7890",
    "hireDate": "2022-06-15T00:00:00",
    "salary": 55000,
    "department": "IT",
    "imageUrl": "https://lineagentapi.uatsiamsmile.com/messageImages/030425/image376369_20250403_095648.jpg"
  },
  ...
]
```

# Report Engine

```
var data = await _dbContext.Products
    .Include(_ => _.ProductGroup)
    .Where(_ => _.IsActive == true)
    .AsSplitQuery()
    .ToListAsync();

var report = new Report();

try {
    report.Load("ReportTemplateI.frx");
    report.RegisterData(data, "DataSourceName");
    report.Prepare();

    using (MemoryStream ms = new MemoryStream())
    {
        PDFSimpleExport pdf = new PDFSimpleExport();
        report.Export(pdf, ms);
        return File(ms.ToArray(), "application/pdf", "ExampleReport.pdf");
    }
} catch (Exception ex) {
    return BadRequest($"Error generating report: {ex.Message}");
} finally {
    report.Dispose();
}
```

```
<PackageReference Include="FastReport.OpenSource" Version="2025.1.0" />
<PackageReference Include="FastReport.OpenSource.Export.PdfSimple" Version="2025.1.0" />
<PackageReference Include="FastReport.OpenSource.Data.Json" Version="2021.4.0" />
<PackageReference Include="FastReport.OpenSource.Web" Version="2025.1.0" />
```

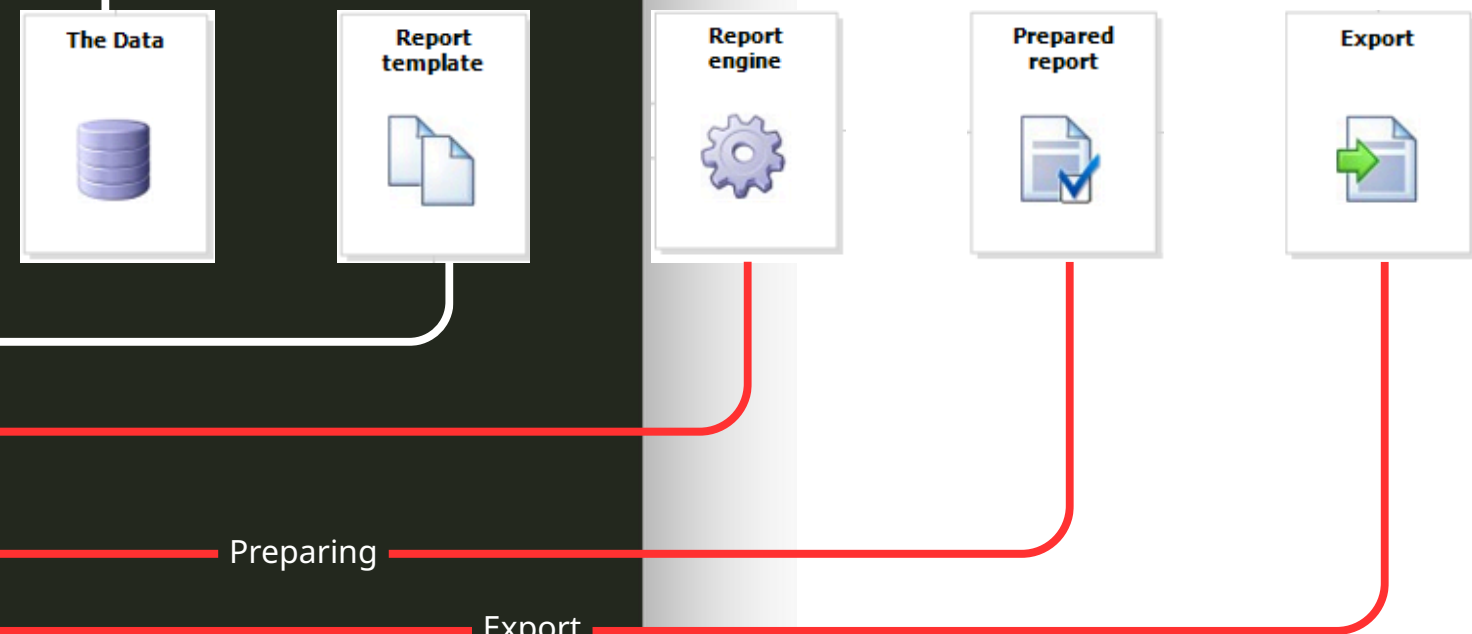
Data

Template

Engine

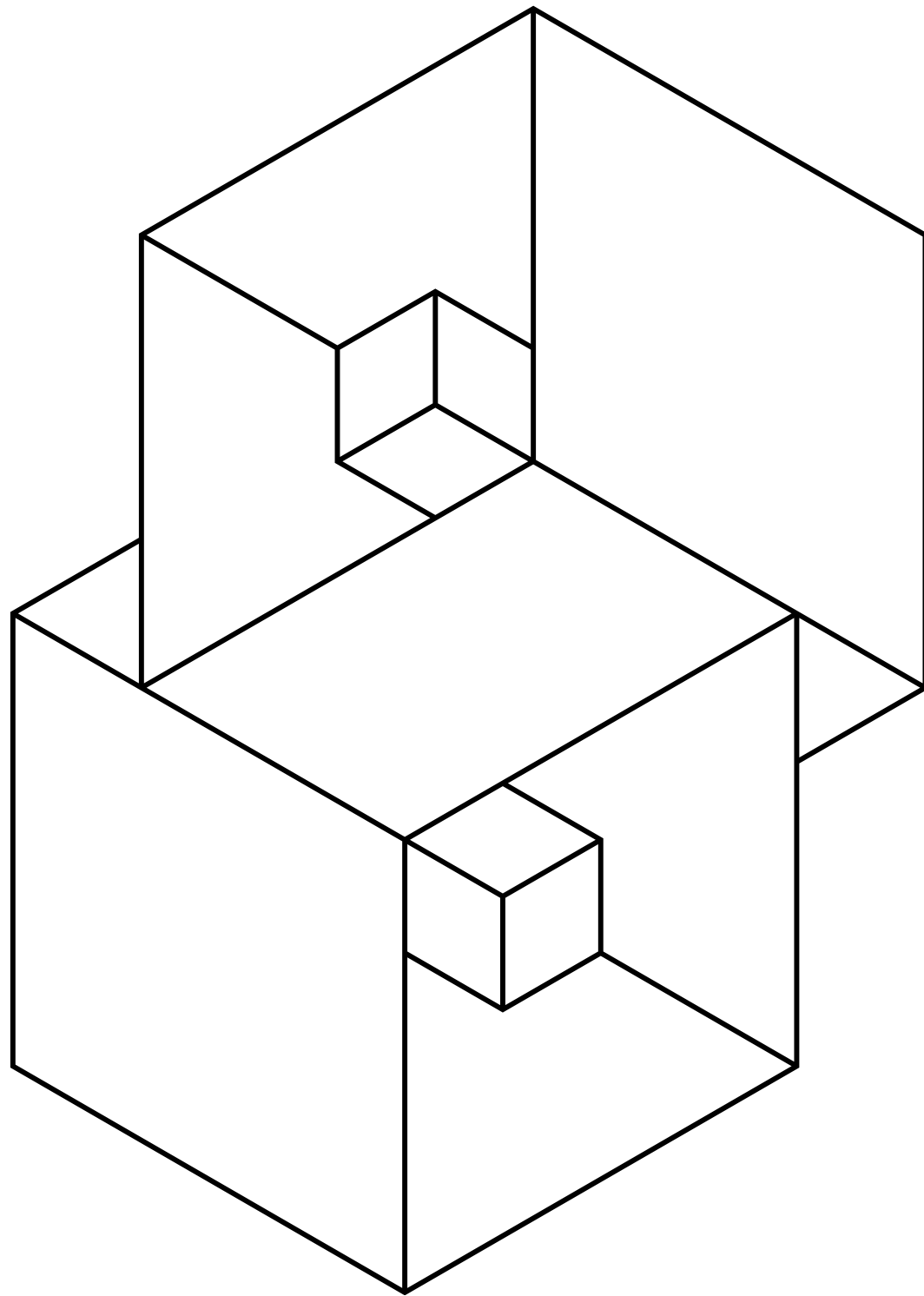
Preparing

Export





# Workshop



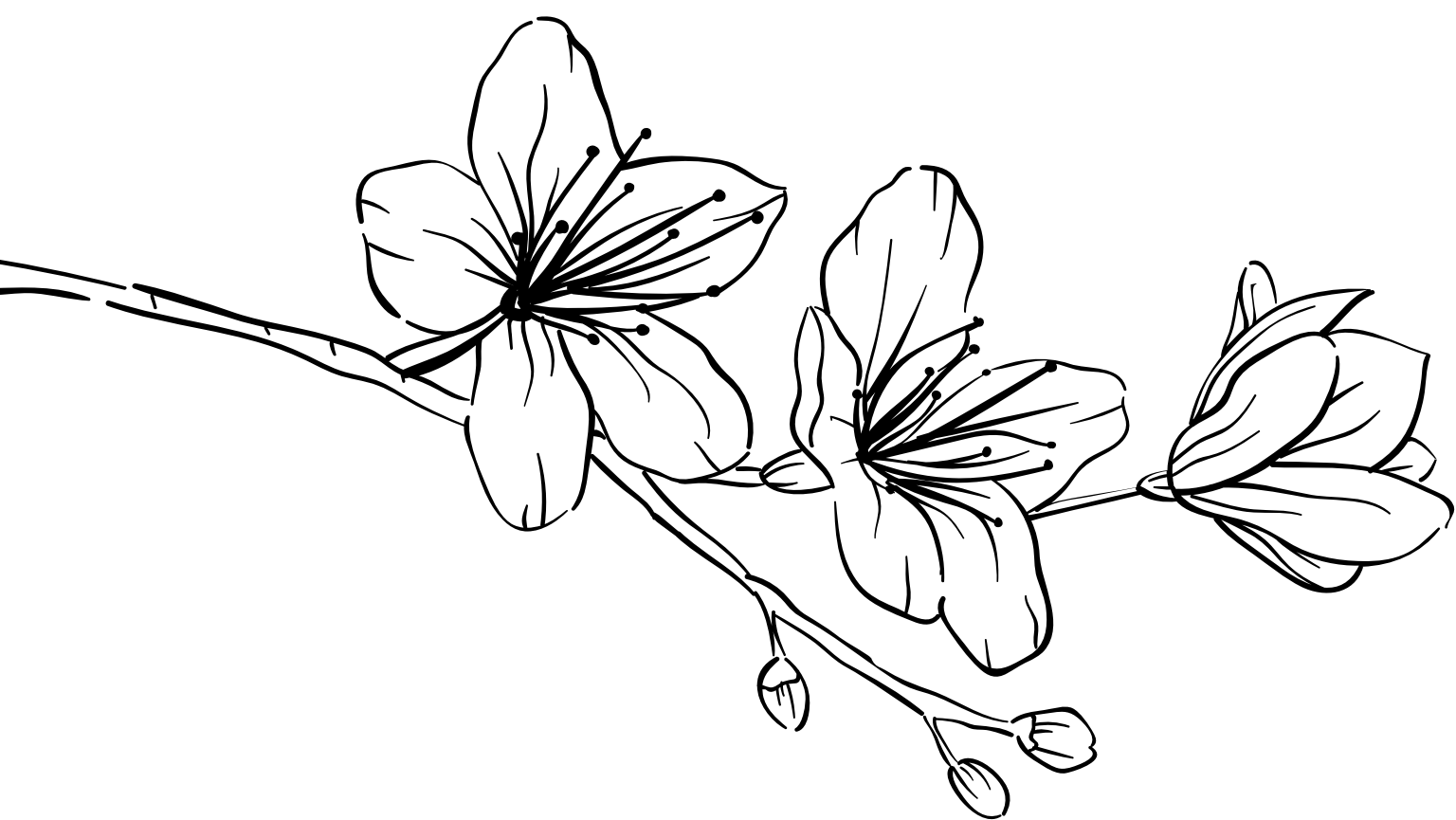
## Reference

**Source Code:** <https://github.com/Pratchaya0/csharp-fast-report.git>

**Fast-Report Manual:** [https://www.fast-report.com/public\\_download/docs/FRNet/online/en/index.html](https://www.fast-report.com/public_download/docs/FRNet/online/en/index.html)

**Fast-Report Repository:** <https://github.com/FastReports/FastReport>

**Fast-Report OpenSource v2025.2.0:** <https://github.com/FastReports/FastReport/releases/tag/v2025.2.0>



ขอบคุณครับ