

Brief operating instruction of the application

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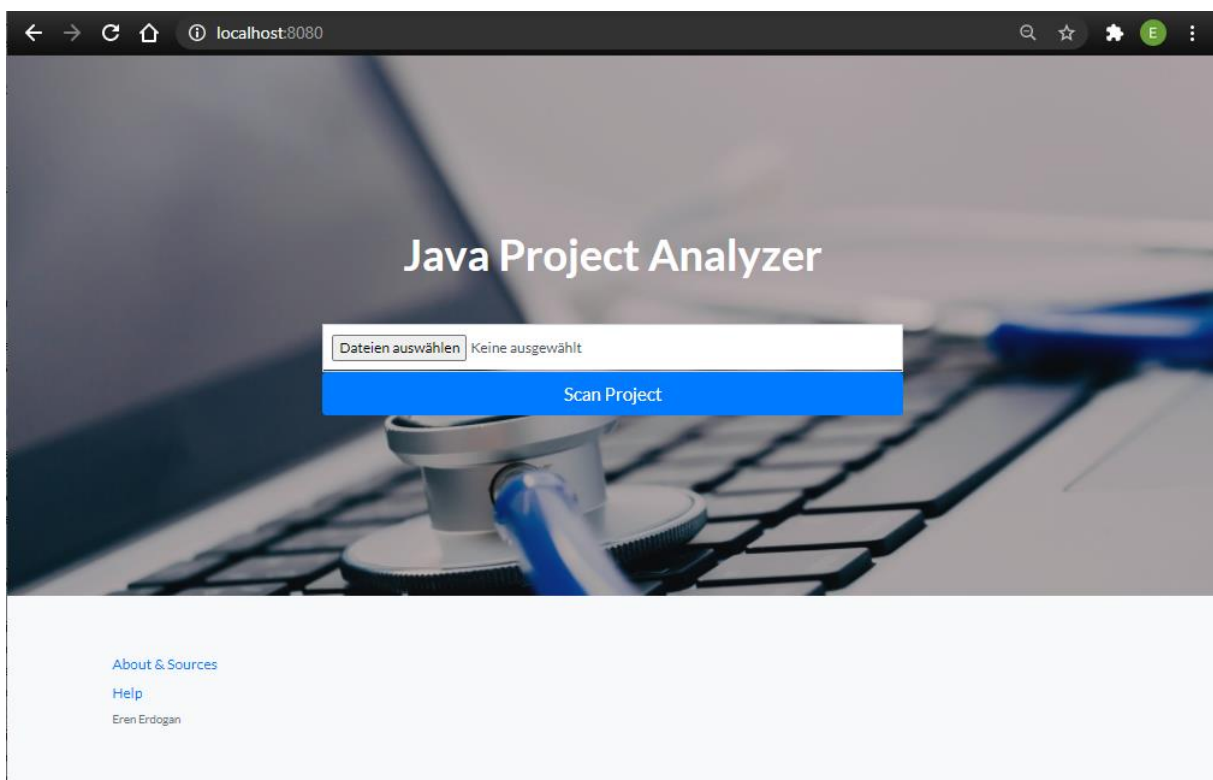
Intro

This document is intended to give an insight into how the application was designed and developed from the user perspective. When developing the user interface, attention was paid to simplicity and ease of use. How the websites are structured is explained in more detail in the next paragraphs.

Main Page

On the first picture you can see the main page of the analysis framework. Here you can have the desired project analyzed with one click. It is important to mention, however, that the project has a predefined folder structure, **[project name]/src/main/java**. The analysis can take several minutes, depending on the project.

Url: <http://localhost:8080/>



Analyze result page

Here you can view the analysis results. In the upper section, the important metrics are shown at a glance. The file results are shown below in the list view. The list is structured according to file or class name. How the severity level of the error is indicated can be seen in the Help (<http://localhost:8080/help>) page.

Url: <http://localhost:8080/uploadFile>



Analyze results

<div>Number of Issues</div> <div>23</div>	<div><div><div>Blocker</div><div>Critical</div><div>Major</div><div>Minor</div><div>Info</div></div><div></div></div>	<div>Cyclomatic Complexity</div> <div>59</div>	
<div>Cognitive Complexity</div> <div>3</div>	<div>NCLOC</div> <div>401</div>	<div>Comment lines</div> <div>15</div>	<div>Comments (%)</div> <div>3.6</div>
<div>Classes</div> <div>7</div>	<div>Number of functions</div> <div>55</div>	<div>Duplications</div> <div>Files 4</div> <div>Lines 105</div>	<div>Bugs</div> <div>0</div>
<div>Vulnerabilities</div> <div>0</div>	<div>Code Smells</div> <div>23</div>		

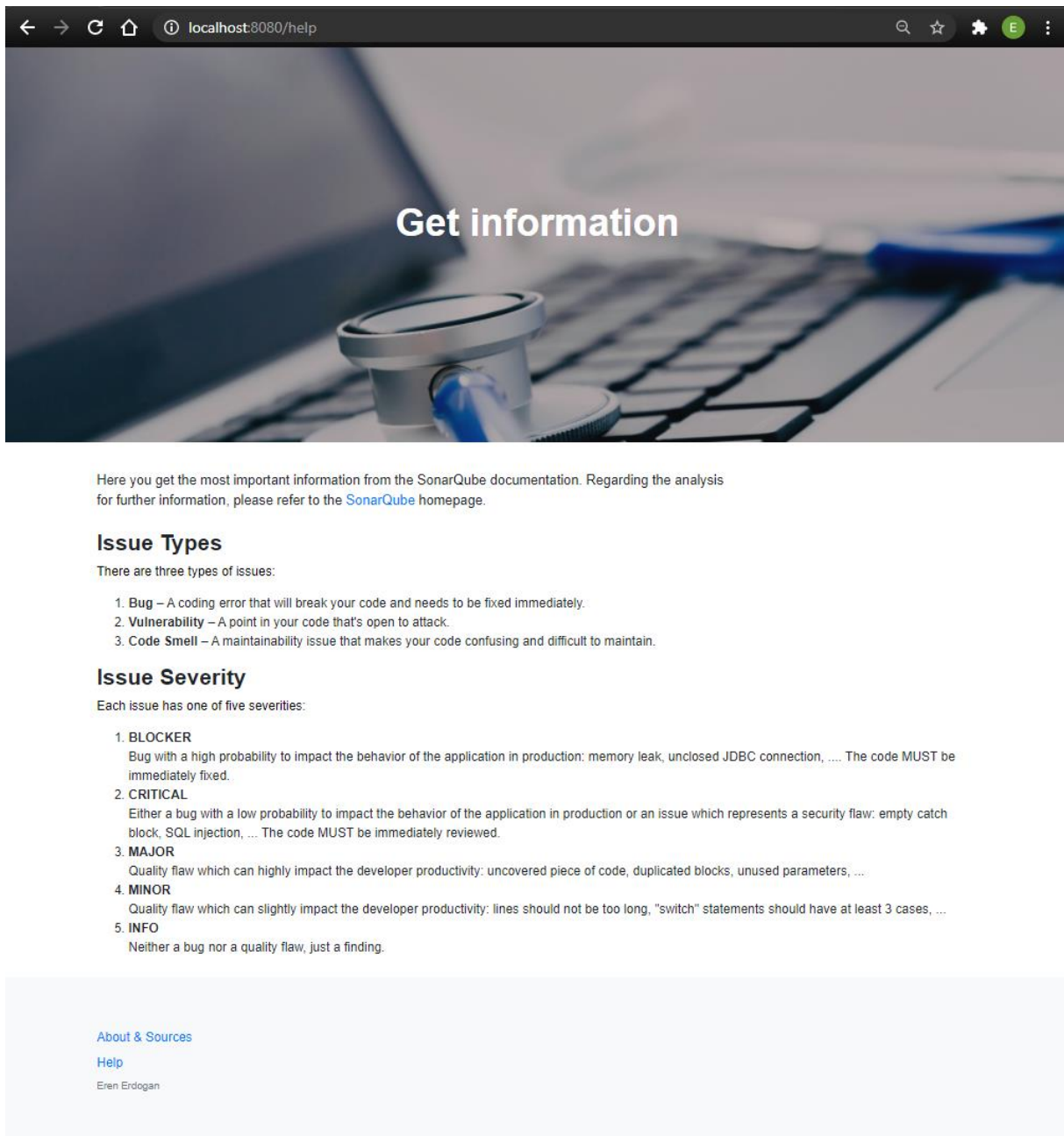
Severity	Component	Line	Message
MAJOR	TestPo2-2\Ori.java	0	2 duplicated blocks of code must be removed.
MINOR	TestPo2-2\Ori.java	1	Rename this package name to match the regular expression "[a-z_]{1,}[a-z_][a-z_]*\$".
CRITICAL	TestPo2-2\Ori.java	1	This file "Ori.java" should be located in "pacApp\pacModel" directory, not in "C:\Users\eren\git\AnalyseTool\Project\src\main\java\pacApp\pacTest\2".
MINOR	TestPo2-2\src\main\java\pacApp\pacModel\Haus.java	1	Rename this package name to match the regular expression "[a-z_]{1,}[a-z_][a-z_]*\$".
MINOR	TestPo2-2\src\main\java\pacApp\pacModel\Haus.java	7	Remove this unused import 'javax.persistence.Column'.
MINOR	TestPo2-2\src\main\java\pacApp\pacModel\Haus.java	8	Remove this unused import 'javax.persistence.Entity'.
MINOR	TestPo2-2\src\main\java\pacApp\pacModel\Haus.java	10	Remove this unused import 'javax.persistence.GeneratedValue'.
MINOR	TestPo2-2\src\main\java\pacApp\pacModel\Haus.java	11	Remove this unused import 'javax.persistence.GenerationType'.
MINOR	TestPo2-2\src\main\java\pacApp\pacModel\Haus.java	16	Remove this unused import 'javax.persistence.Table'.
MINOR	TestPo2-2\src\main\java\pacApp\pacModel\Haus.java	34	Replace the type specification in this constructor call with the diamond operator ("<>"). (source: java source not set. Assuming 7 or greater.)
MAJOR	TestPo2-2\src\main\java\pacApp\pacModel\Ori.java	0	1 duplicated blocks of code must be removed.
MINOR	TestPo2-2\src\main\java\pacApp\pacModel\Ori.java	1	Rename this package name to match the regular expression "[a-z_]{1,}[a-z_][a-z_]*\$".
MAJOR	TestPo2-2\src\main\java\pacApp\pacModel\Ori.java	0	2 duplicated blocks of code must be removed.
MINOR	TestPo2-2\src\main\java\pacApp\pacModel\Ori.java	1	Rename this package name to match the regular expression "[a-z_]{1,}[a-z_][a-z_]*\$".
MINOR	TestPo2-2\src\main\java\pacApp\pacModel\Person.java	1	Rename this package name to match the regular expression "[a-z_]{1,}[a-z_][a-z_]*\$".
MAJOR	TestPo2-2\src\main\java\pacApp\pacModel\Person.java	20	This block of commented-out lines of code should be removed.
MAJOR	TestPo2-2\src\main\java\pacApp\pacModel\Person.java	40	This block of commented-out lines of code should be removed.
MINOR	TestPo2-2\src\main\java\pacApp\pacModel\User.java	1	Rename this package name to match the regular expression "[a-z_]{1,}[a-z_][a-z_]*\$".
LOCKER	TestPo2-2\src\main\java\pacApp\pacModel\User.java	83	Remove this "clone" implementation: use a copy constructor or copy factory instead.
MAJOR	TestPo2-2\src\main\java\pacApp\pacTest\Ori.java	0	2 duplicated blocks of code must be removed.
MINOR	TestPo2-2\src\main\java\pacApp\pacTest\Ori.java	1	Rename this package name to match the regular expression "[a-z_]{1,}[a-z_][a-z_]*\$".
CRITICAL	TestPo2-2\src\main\java\pacApp\pacTest\Ori.java	1	This file "Ori.java" should be located in "pacApp\pacModel" directory, not in "C:\Users\eren\git\AnalyseTool\Project\src\main\java\pacApp\pacTest\2".
MINOR	TestPo2-2\src\main\java\pacApp\pacTest\1.java	0	Move this file to a named package.

Sie können die detaillierte SonarQube Analyse Ergebnisse hier betrachten: [hier](#)
Hier können Sie die Analyse Werte generieren: [generate CSV](#)

Information Page

The error types and the severity of the errors are described here. The texts are excerpts from the **SonarQube** website.

Url: <http://localhost:8080/help>



← → ↺ 🏠 ⓘ localhost:8080/help 🔍 ☆ ⚙️ E ⋮

Get information

Here you get the most important information from the SonarQube documentation. Regarding the analysis for further information, please refer to the [SonarQube](#) homepage.

Issue Types

There are three types of issues:

1. **Bug** – A coding error that will break your code and needs to be fixed immediately.
2. **Vulnerability** – A point in your code that's open to attack.
3. **Code Smell** – A maintainability issue that makes your code confusing and difficult to maintain.

Issue Severity

Each issue has one of five severities:

1. **BLOCKER**
Bug with a high probability to impact the behavior of the application in production: memory leak, unclosed JDBC connection, The code **MUST** be immediately fixed.
2. **CRITICAL**
Either a bug with a low probability to impact the behavior of the application in production or an issue which represents a security flaw: empty catch block, SQL injection, The code **MUST** be immediately reviewed.
3. **MAJOR**
Quality flaw which can highly impact the developer productivity: uncovered piece of code, duplicated blocks, unused parameters,
4. **MINOR**
Quality flaw which can slightly impact the developer productivity: lines should not be too long, "switch" statements should have at least 3 cases, ...
5. **INFO**
Neither a bug nor a quality flaw, just a finding.

[About & Sources](#)
[Help](#)
Eren Erdogan

About & Sources Page

The components used and their sources such as website layouts, frameworks and photos are displayed here.

Url: <http://localhost:8080/about>

