

Green Energy Mobile App

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Strategy of Documentation

Our plan for documentation is to use ***Agile Software Development*** method which is related to Feature-driven development. Meaning that we document each feature once we are done with its implementation.

Technical Documentation

- **JavaDoc** to auto-generate the code documents to create reference manuals in form of HTML files.

The screenshot shows a web browser displaying a JavaDoc-generated HTML document. The browser's address bar shows the file path: `file:///C:/Users/Nika/Downloads/javadoc/index.html`. The page has a sidebar on the left with navigation links for 'All Classes', 'Packages', and 'Classes'. The main content area is titled 'Package com.example.eisuiologin' and includes a 'Class Summary' table. The table lists various classes and resources, including `BuildConfig`, `LoginActivity`, `MainActivity`, `R`, `R.attr`, `R.dimen`, `R.drawable`, `R.id`, `R.layout`, `R.menu`, `R.string`, `R.style`, and `SignupActivity`. The bottom of the page shows a Windows taskbar with the date and time: 15:31, 01.07.2014.

Generated Document: `file:///C:/Users/Nika/Downloads/javadoc/index.html`

Overview **Package** Class Use Tree Deprecated Index Help

Prev Package Next Package Frames No Frames

Package com.example.eisuiologin

Class Summary

Class	Description
<code>BuildConfig</code>	
<code>LoginActivity</code>	
<code>MainActivity</code>	
<code>R</code>	
<code>R.attr</code>	
<code>R.dimen</code>	
<code>R.drawable</code>	
<code>R.id</code>	
<code>R.layout</code>	
<code>R.menu</code>	
<code>R.string</code>	
<code>R.style</code>	
<code>SignupActivity</code>	

Overview **Package** Class Use Tree Deprecated Index Help

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Technical Documentation (Cont.)

The screenshot shows a web browser displaying a JavaDoc page for the `LoginActivity` class. The browser's address bar shows the file path `file:///C:/Users/Nika/Downloads/Javadoc/index.html`. The page has a sidebar on the left with a package tree and a class list. The main content area shows the class hierarchy, a description, and summary tables for constructors and methods.

Generated Document

file:///C:/Users/Nika/Downloads/Javadoc/index.html

Apps music watchin' M.Sc. SS2014 Projects Web Java/Android IT Beliebt General-Anzeig... dict.cc Amazon.de Gmail Facebook BuchDB

All Classes

Packages

com.example.eisulogin
com.example.eisulogin.connection

com.example.eisulogin

Classes

BuildConfig
LoginActivity
MainActivity
R
R.attr
R.dimen
R.drawable
R.id
R.layout
R.menu
R.string
R.style
SignUpActivity

Overview Package **Class** Use Tree Deprecated Index Help

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Summary: Nested | Field | Constr | Method Detail: Field | Constr | Method

com.example.eisulogin

Class LoginActivity

java.lang.Object
Activity
com.example.eisulogin.LoginActivity

```
public class LoginActivity  
extends Activity
```

This is the Log In View of the Green Energy Mobile Application. In this View the user can either log in or sign up in order to use the application.

Since:

2014-05-30

Version:

1.0

Author:

Veronika Henk, Sarvenaz Golchin, Mahriaz Hajbaba

Constructor Summary

Constructors

Constructor and Description
LoginActivity()

Method Summary

Methods

Modifier and Type	Method and Description
void	login() Method to log in the user

15:47
01.07.2014

Technical Documentation (Cont.)

The screenshot shows a web browser window with the address bar displaying `File:///C:/Users/Nika/Downloads/Javadoc_Twitter/index.html`. The browser's address bar also shows several bookmarks, including 'Apps', 'music', 'watchin'', 'M.Sc.', 'SS2014', 'Projects', 'Web', 'Java/Android', 'IT', 'Beliebt', 'General-Anzeig...', 'dict.cc', 'Amazon.de', 'Gmail', 'Facebook', and 'BuchDB'.

The main content area of the browser displays the technical documentation for the `TwitterActivity` class. The documentation is organized into several sections:

- Overview**: This section includes navigation links for 'Prev Class', 'Next Class', 'Frames', and 'No Frames'. It also provides a summary of the class, including its package name (`com.example.eispublishscoresontwitter`), its superclass (`Activity`), and its inheritance hierarchy.
- Class TwitterActivity**: This section provides a brief description of the class, stating that it is the TwitterActivity of the App to publish scores on Twitter. It also includes the class's source code, which is a public class `TwitterActivity` that extends `Activity`.
- Since:**: This section indicates the version of the class, which is 2014-05-30.
- Version:**: This section indicates the version of the class, which is 1.0.
- Author:**: This section lists the authors of the class, which are Veronika Henk, Sarvenaz Golchin, and Mahnaz Hajbaba.
- Constructor Summary**: This section provides a summary of the constructors for the class. It includes a table with the following information:

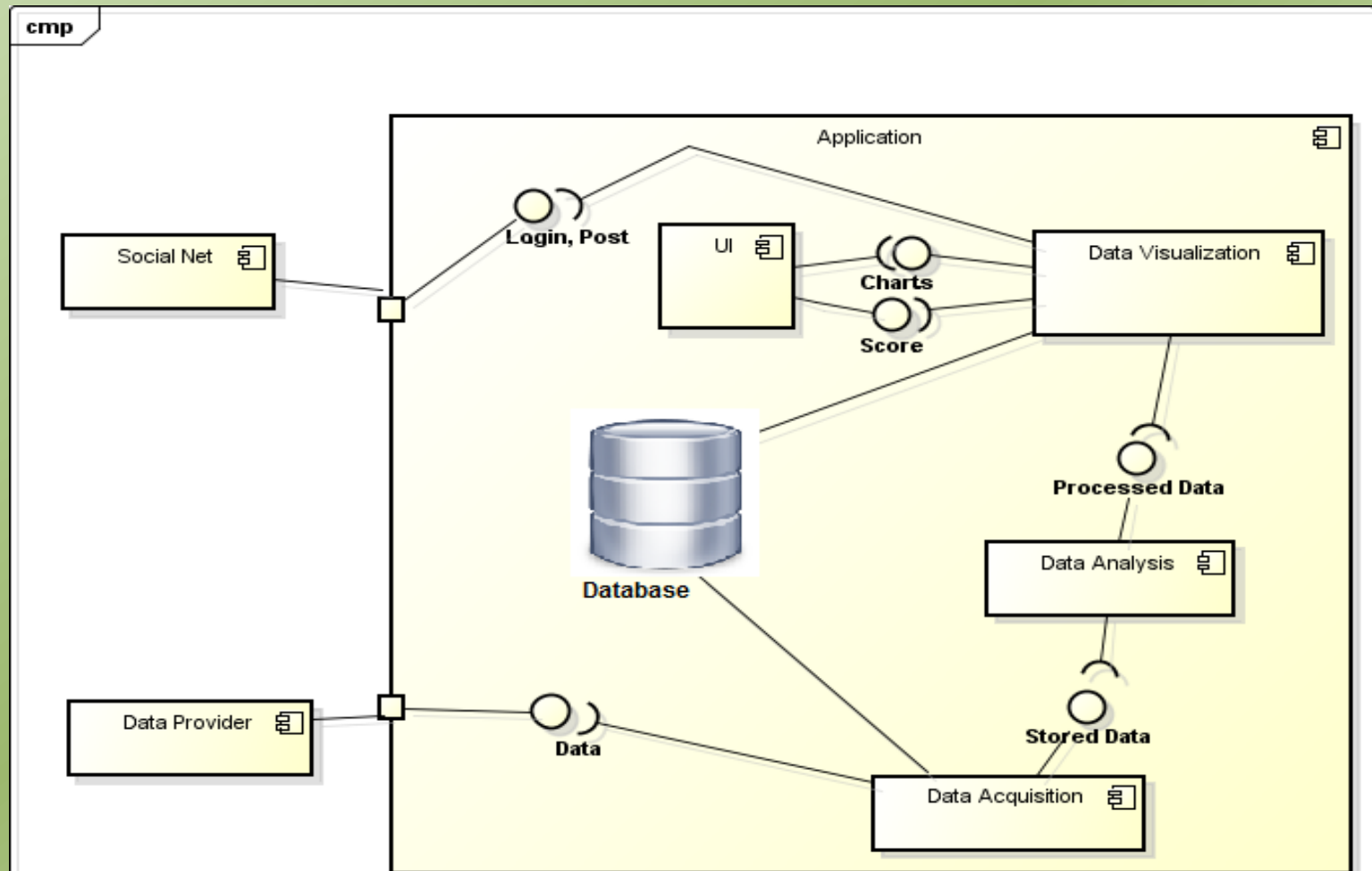
Constructor and Description
<code>MainActivity()</code>
- Method Summary**: This section provides a summary of the methods for the class. It includes a table with the following information:

Modifier and Type	Method and Description
<code>void</code>	<code>onCreate(Bundle savedInstanceState)</code>

The bottom of the browser window shows the Windows taskbar with several icons, including the Start button, Internet Explorer, Google Chrome, and several application icons. The system clock in the bottom right corner shows the time as 15:54 on 01.07.2014.

Architectural Documentation

- UML diagrams → **Component** diagram



User Manual

- User manuals simply describe how a program is used. There are three broad ways in which user documentation can be organized: Tutorial, Thematic, List of Reference.
- We will use ***Tutorial*** which suits the best for our application.

Structure of User Manual

User Manual

Contents

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2- System requirement:	1
3- Getting Started:	1
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1- System Overview:

Green Energy is an application which advises consumers when it is the best time to turn their energy consumers on. It recommends users to shift the usage of energy consumers into the time slots when the amount of green energy is high.

2- System Requirements:

This application operates on mobile devices with Android operating system. It is compatible with Android 2.2.x (tested on 4.4.x, 4.0.x) API level 8 and higher versions. The application requires connection to Internet in order to save data to database.

3- Getting Started:

The application can be downloaded from After installation on the device, Green Energy can be used immediately without any further configuration.

Structure of User Manual(cont.)

4- Using the system:

Green Energy consists of 3 pages, including Sign up, Log in and Main page.

4.1. Sign Up:

If the application is launched for the first time, you need to sign up with a username and a password which must be at least 5 characters.



Structure of User Manual(cont.)

4.2. Log in:

If you are already a user, you can log in to the application with your username and password.



The screenshot shows a mobile application interface for 'Green Energy App'. At the top, there is a status bar with icons for signal, battery, and the time 12:39. Below the status bar is a dark header with the text 'Green Energy App'. The main content area is titled 'Log In'. It features two input fields: 'Username' and 'Password'. The 'Username' field is highlighted with a blue border. Below the input fields is a 'Log In' button. At the bottom, there is a link that says 'New to Green Energy? [Sign Up](#)'.