Vaadin Touchkit Toolchain - Windows 7

1. Download Java SE Development Kit 8.
   http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html
   Install.
2. Download Eclipse IDE for Java EE Developers (Kepler SR2).
   https://www.eclipse.org/downloads/packages/eclipse-ide-java-ee-developers/keplersr2
   Unzip.
3. (This step is not necessarily needed for the use of Vaadin, but might be helpful during our project.)
   Install EGit (Git Plugin for Eclipse):
   In Eclipse, click *Help > Install New Software…*
   Select the EGit update site http://download.eclipse.org/egit/updates
   Select all, click *Next* and follow the instructions of the installer.
   You will need to restart Eclipse.
4. Download Apache Maven 3.2.1.
   http://maven.apache.org/download.cgi
   Unzip.
   Open System Properties (WinKey + Pause), select *Advanced* tab, click *Environment Variables* button.
   To system variables add
   a. JAVA_HOME
      path of your JDK, e.g. C:\Program Files\Java\jdk1.8.0_05
   b. Path (prepend the value)
      %JAVA_HOME%/bin
   To user variables add
   c. M2_HOME
      path of your unzipped Maven archive, ending with '…\apache-maven-3.2.1'
   d. M2
      %M2_HOME%\bin
   e. Path (if already existing in user variables, prepend the value)
      %M2%
   f. Optional:
      MAVEN_OPTS
      specify JVM properties, e.g. –Xms256m – Xmx512m.
   Open new command prompt (WinKey + R, type *cmd*), run *mvn --version* to verify that it is correctly installed.
5. (This step is not necessarily needed for the use of Vaadin, but might be helpful during our project.)
   Install m2eclipse (Maven Plugin for Eclipse):
   In Eclipse, click *Help > Install New Software…*
   Select the m2e update site http://download.eclipse.org/technology/m2e/releases
   Select *Maven Integration for Eclipse*, click *Next* and follow the instructions of the installer.
   You will need to restart Eclipse.
6. Install Vaadin Plugin for Eclipse.
   In Eclipse, click *Help > Install New Software…*
   Select the m2e update site *http://vaadin.com/eclipse*
   Select *Vaadin Plugin for Eclipse*, click *Next* and follow the instructions of the installer.
   You will need to restart Eclipse.
   Download Vaadin Touchkit.
   https://vaadin.com/directory#addon/vaadin-touchkit
   Click *Download Now*, select AGPL license.
   Unzip.

Additional information:

- You can include the Vaadin Touchkit via Maven into a project by adding this dependency to the pom.xml:

```
<dependency>
  <groupId>com.vaadin.addon</groupId>
  <artifactId>vaadin-touchkit-agpl</artifactId>
  <version>4.0.0.alpha2</version>
</dependency>
```

- To create an example of a Vaadin Touchkit Project with Maven, open command prompt, go to workspace folder and run

```
mvn archetype:generate   -DarchetypeGroupId=com.vaadin  -
DarchetypeArtifactId=vaadin-archetype-touchkit    -
DarchetypeVersion=3.0.0   -DgroupId=example.com -
DartifactId=myproject  -Dversion=0.1.0 -Dpackaging=war
```

- You can import this project into Eclipse using *File > Import*, *Existing Maven Projects.*
- See also: https://vaadin.com/wiki/-/wiki/Main/Creating+a+Maven+project
- I personally had problems with Internet Explorer, Firefox and Opera:
  Failed to load the widgetset:
  ./VAADIN/widgetsets/com.vaadin.DefaultWidgetSet/com.vaadin.DefaultWidgetSet.nocache.js
  Chrome works just fine.