Sugar Regulatory Administration Installation

I. **System Overview**

Sugarcane Monitoring and Farmer Assistance System for SRA is an information system that aims to assist and provide recommendations faster to the farmers. It is also aimed at assisting the Mill district officer in creating observations that will help in making better analysis that can be used for providing more farming practices. Lastly, it aims to assist board members in decision making with regards to programs and sugar allocation

II. **Installation**

1. **System Requirements**

    A. **Software**
    - Windows 7 or higher
    - NetBeans 8.02
    - Android Studio
    - Apache Tomcat
    - MySQL
    - GitHub
    - Google maps
    - Internet Browser preferably Google Chrome

    B. **Hardware**
    - 4GB RAM and above
    - Intel i3 dual core and above
    - 2GB free hard disk space
    - Android Smartphone
    - Internet Connection

2. **Installing the Browser**

    a. Click the link to access the download page:
    https://www.google.com/chrome/browser/features.html?brand=CHBD&gclid=CNqejv6w2tICFU4GvAodAdwELg
    b. Open the installer and follow the instructions

3. **Installing Netbeans**

    a. Click the link to access the download page: https://netbeans.org/downloads/
    b. Open the installer and follow the instructions

4. **Installing Android Studio**

    a. Click the link to access the download page:
    https://developer.android.com/studio/install.html
    b. Open the installer and follow the instructions

5. **Preparing the Database**

   1. Install MySQL from https://dev.mysql.com/downloads/installer/
   2. Open MySQL
   3. Click "File" and Select **Open Model**
   4. Choose the given file (.wbm)
   5. Click Data and Select **Forward Engineer**

6. **Running the Web Project**
   1. Open Web Browser
   2. Navigate to **https://github.com/jartantupjar/Reality**
   3. Click on the "Clone or download" button
   4. Copy to clipboard the link being provided such as
      https://github.com/jartantupjar/Reality.git
   5. Open the Netbeans IDE
   6. Navigate to **Team>Git>Clone** from the main menu
   7. At the Remote Repository page of the Clone Repository wizard, input the copied link URL from Github in the Repository URL field
   8. Click "Next" button
   9. At the Remote Branches page, tick the "master" repository
   10. Click "Next"
   11. At the Destination Directory page click on "Finish"
   12. After the repository is cloned, the Clone Completed message displays.
   13. Click the project name(**Reality**) in the Projects window in order to save it as the primary project.
   14. Navigate to Reality>Source Packages>db>DBConnectionFactory.java
   15. replace the **url**,**username** and **password** based on the MYSQL user settings
   16. On the keyboard, press CTRL+S to save the file
   17. Now click on the **Green** ► button to run the project.

4. **Run SRA Mobile Application**
   1. Open the project in NetBeans
   2. Click "File" and select Open Project
   3. Click the given file named "SRAMobile"
   4. Now click on the **Green** ► button to run the project.
   5. For the mobile app, click the given apk file.
   6. Select "Install"