**Setup process for Augmented Reality Web Service:**

1. **Apache Tomcat**
   1. Download Apache Tomcat 8(latest version) from this link <https://tomcat.apache.org/download-80.cgi>
   2. Setup Apache Tomcat
   3. Set CATALINA\_HOME in environment variables
   4. Add path to bin folder in *Path* variable
   5. Check this link for reference <https://tomcat.apache.org/tomcat-8.0-doc/windows-service-howto.html>
   6. Start service before deploying any webapp
2. **MongoDB**
   1. Download MongoDB <https://www.mongodb.org/downloads>
   2. Setup MongoDB
   3. Add path to *Path* variable
   4. Use mongod.exe to start the MongoDB server
   5. Use mongo.exe shell to play around with database and collection <http://docs.mongodb.org/manual/>
   6. Download and use Robomongo GUI tool to ease DB manipulation <http://robomongo.org/>
   7. Always start the server before running the app using it
3. **Netbeans project(**for development**)**
   1. Download the project folder
   2. File -> Open Project -> Select the project folder
   3. Make sure all the libraries are added – Struts, JSTL, Jersey, JAX-RS, Mongo-Java Driver
   4. Start the server from Services tab
   5. Start the MongoDB server
   6. Run the application (F6)
4. **Deploying on server**
   1. Build the war(web archive) file using Netbeans
   2. Copy-paste the war file in webapps folder of Apache Tomcat directory
   3. Start the Apache Tomcat service
   4. Travel to URL using the given path (Example: localhost:8-84/AugmentedRealityService)

**Summary:**

Paths to be set (all till bin folder)

* jdk
* jre
* apache-tomcat
* mongodb

Set environment variables

* CATALINA\_HOME
* JAVA\_HOME