CSCI 5308
Advanced Topics in Software Development

Parking Pool (Group2)

Dependencies

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1. TEST SPECIFIC DEPENDENCIES:

- JUNIT: To test the particular units of class

- REFERENCE: "Maven Repository: Junit " junit " 4.11," *MavenRepository*. [Online]. Available: https://mvnrepository.com/artifact/junit/junit/4.11 [Accessed: 05-Apr-2022].

```xml
<dependency>
  <groupId>org.junit.jupiter</groupId>
  <artifactId>junit-jupiter-api</artifactId>
  <version>5.8.2</version>
  <scope>test</scope>
</dependency>
<dependency>
  <groupId>junit</groupId>
  <artifactId>junit</artifactId>
  <version>4.11</version>
  <scope>test</scope>
</dependency>
```

- MOCKITO: To simplify the development of a test by mocking external dependencies

- REFERENCE: "org.mockito : mockito-core - Maven Repository [Java]", *MavenLibs.com*. [Online]. Available: https://mavenlibs.com/maven/dependency/org.mockito/mockito-core#2.28.1 [Accessed: 05- Apr- 2022].

```xml
<dependency>
  <groupId>org.mockito</groupId>
  <artifactId>mockito-core</artifactId>
  <version>2.28.2</version>
  <scope>test</scope>
</dependency>
```

2. DATABASE SPECIFIC DEPENDENCIES:

- MYSQL-CONNECTOR-JAVA: To connect JDBC to the MySQL database and perform DB operations efficiently.

- REFERENCE: "org.mockito : mockito-core - Maven Repository [Java]", *MavenLibs.com*. [Online]. Available: https://mavenlibs.com/maven/dependency/org.mockito/mockito-core#2.28.1 [Accessed: 05- Apr- 2022].

```
<dependency>
  <groupId>mysql</groupId>
  <artifactId>mysql-connector-java</artifactId>
  <version>8.0.28</version>
</dependency>
```

3. FILE SPECIFIC DEPENDENCIES:

- OPENCSV**: To perform all the basic CSV-type operations. In this project, we used it to generate analytics in form of CSV files.
- REFERENCE: [Online]. Available: https://mvnrepository.com/artifact/com.opencsv/opencsv/4.1 [Accessed: 05- Apr- 2022].

```
<dependency>
  <groupId>com.opencsv</groupId>
  <artifactId>opencsv</artifactId>
  <version>4.1</version>
</dependency>
```

4. OTHER DEPENDENCIES:

- LUCENE-SPATIAL: To perform efficient search.
- REFERENCE: [Online]. Available: https://mvnrepository.com/artifact/org.apache.lucene/lucene-spatial/8.2.0 [Accessed: 05- Apr- 2022].

```
<dependency>
  <groupId>org.apache.lucene</groupId>
  <artifactId>lucene-spatial</artifactId>
  <version>8.2.0</version>
</dependency>
```

- JAVAX-MAIL: To compose the mail.
- REFERENCE: [Online]. Available: https://mvnrepository.com/artifact/javax.mail/mail/1.4 [Accessed: 05- Apr- 2022].

```
<dependency>
  <groupId>com.sun.mail</groupId>
  <artifactId>javax.mail</artifactId>
  <version>1.6.2</version>
</dependency>
```

- MAVEN-SHADE-PLUGIN: to build an executable jar by specifying the main class.
- REFERENCE: "Apache Maven Shade Plugin – Dependency Information", *Maven.apache.org*. [Online]. Available: https://maven.apache.org/plugins/maven-shade-plugin/dependency-info.html [Accessed: 05- Apr- 2022].

```xml
<dependency>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-shade-plugin</artifactId>
  <version>3.2.4</version>
</dependency>
```

5. TEXT TO SPEECH:

- LUCENE-SPATIAL: To use synthesizer of freeTTS, while converting console text to speech.
- REFERENCE: [Online]. Available: https://mvnrepository.com/artifact/net.sf.sociaal/freetts/1.2.2 [Accessed: 05- Apr- 2022].

```xml
<dependency>
  <groupId>net.sf.sociaal</groupId>
  <artifactId>freetts</artifactId>
  <version>1.2.2</version>
</dependency>
```