Software Engineering Tools Lab

Assignment No-8

Module 5- Software testing using tools

PRN: 2020BTECS00069

Name: Yashraj Patil

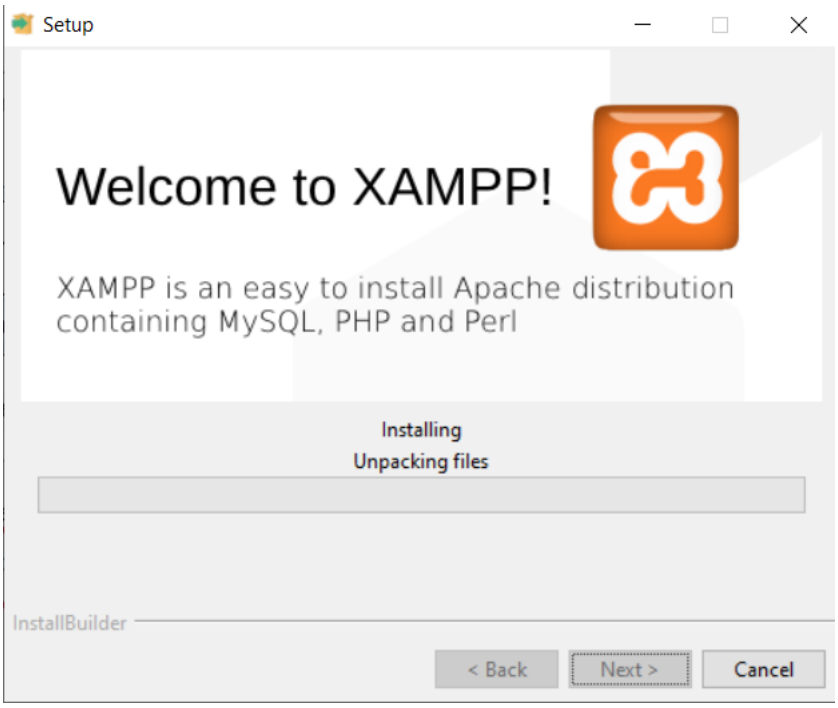
Q 1. What are the prerequisites for installing the TestLink tool.

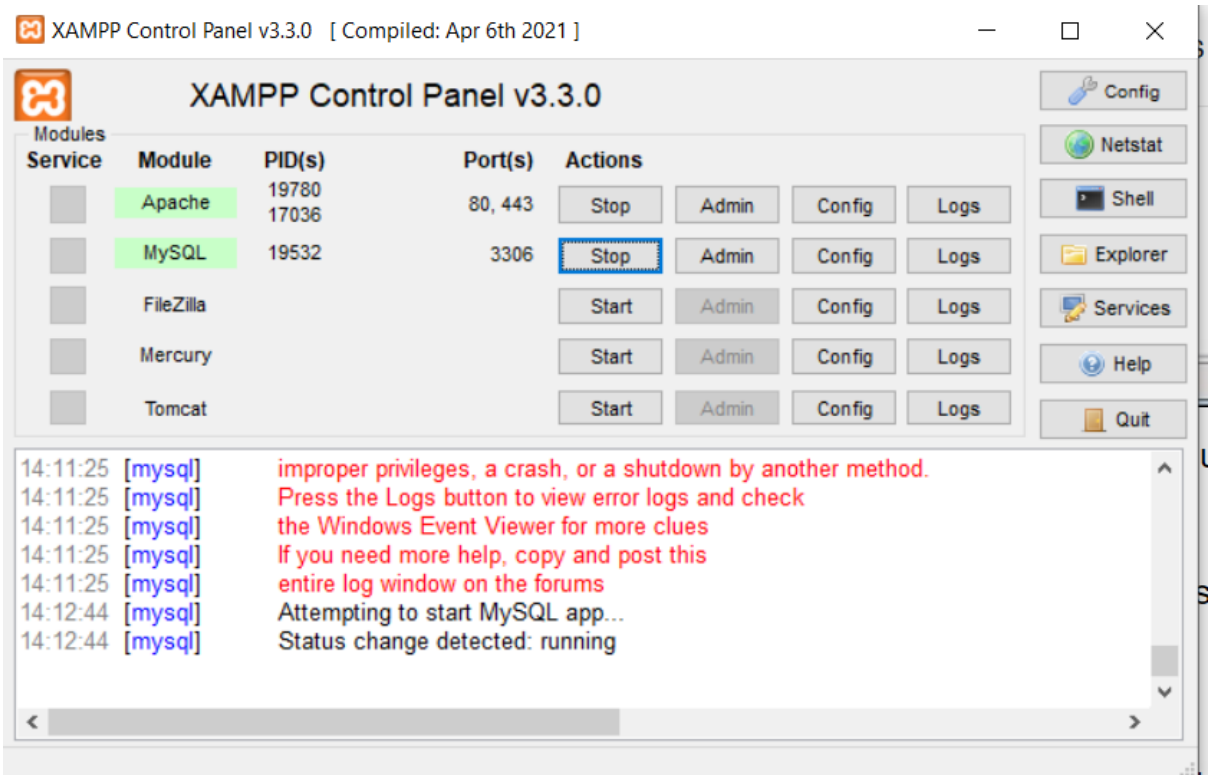
Operating System: Windows, Linux, or Mac OS X
Web Server: Apache or IIS
Database: MySQL, PostgreSQL, or Microsoft SQL Server
PHP: Version 5.6.x or higher
PHP Extensions: mbstring, gd, xml, mysqlnd, mysqli or pdo_mysql, zip
Browser: Any modern web browser such as Chrome, Firefox, or Safari

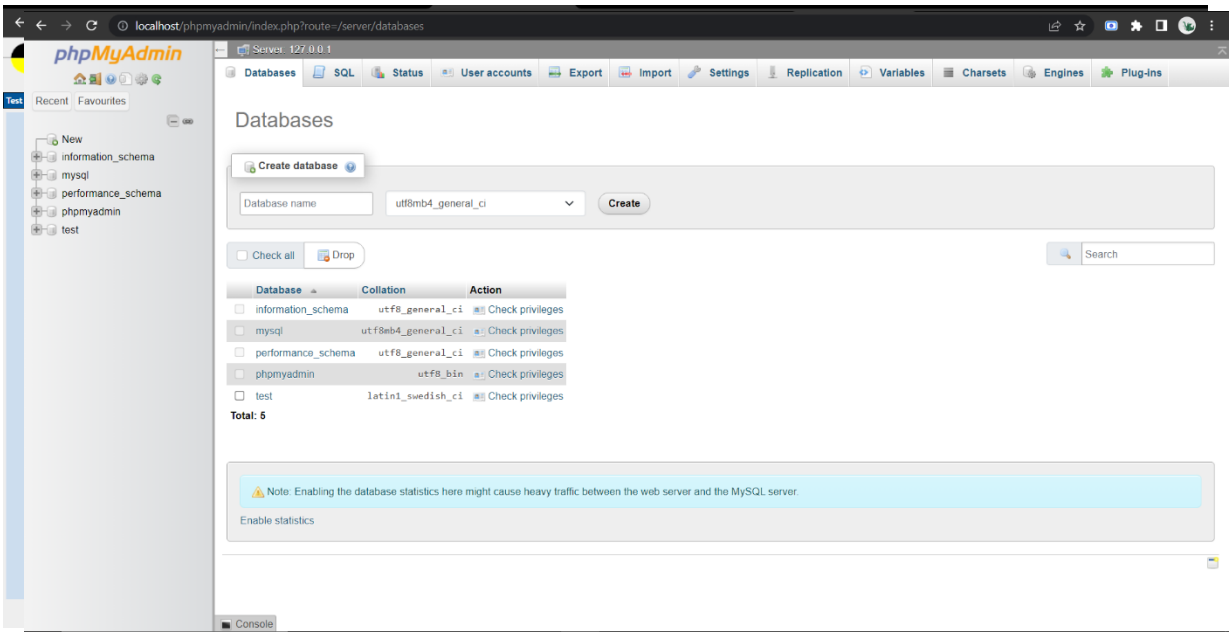
Q 2. Install TestLink tool on your machine (Provide screen shots for successful installation and login)

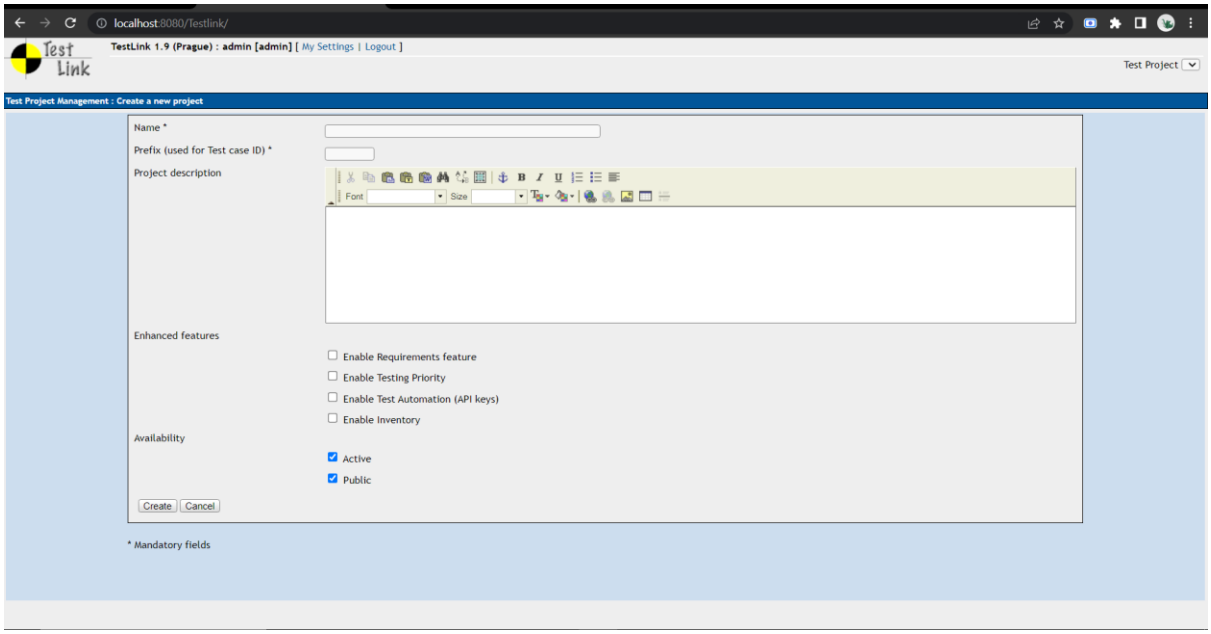
1. Download the latest stable version of TestLink from the official website (https://testlink.org/).
2. Extract the downloaded ZIP file to a directory on your machine.
3. Copy the extracted TestLink folder to your web server's document root directory.
4. Create a new database for TestLink and grant a user with necessary privileges to access the database.
5. Rename the configuration file config.inc.php.sample to config.inc.php and modify the necessary configuration settings such as database connection details.
6. Open a web browser and navigate to the TestLink installation URL (e.g., http://localhost/testlink/install/index.php).
7. Follow the on-screen instructions to complete the installation process, providing the necessary details such as database connection details and administrator account information.

8. Once the installation is complete, login to TestLink using the administrator account that you created during the installation process.




XAMPP Control Panel v3.3.0 [Compiled: Apr 6th 2021]
XAMPP Control Panel v3.3.0
Modules
Service
Module
PID(s)
Port(s)
Actions
Apache
19780
17036
80, 443
Stop
Admin
Config
Logs
MySQL
19532
3306
Stop
Admin
Config
Logs
FileZilla
Start
Admin
Config
Logs
Mercury
Start
Admin
Config
Logs
Tomcat
Start
Admin
Config
Logs
Config
Netstat
Shell
Explorer
Services
Help
Quit
14:11:25 [mysql] improper privileges, a crash, or a shutdown by another method.
14:11:25 [mysql] Press the Logs button to view error logs and check
14:11:25 [mysql] the Windows Event Viewer for more clues
14:11:25 [mysql] If you need more help, copy and post this
14:11:25 [mysql] entire log window on the forums
14:12:44 [mysql] Attempting to start MySQL app...
14:12:44 [mysql] Status change detected: running

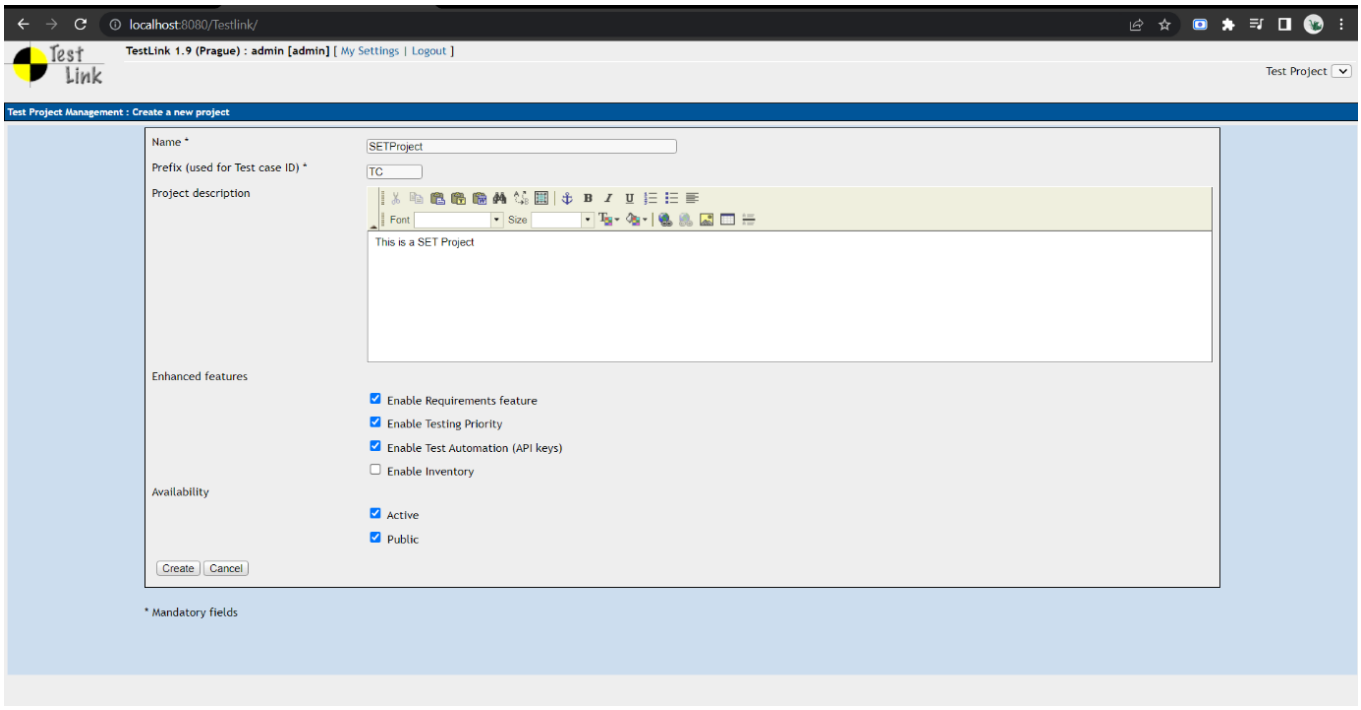

localhost/phpmyadmin/index.php?route=/server/databases
phpMyAdmin
Recent
Favourites
New
information_schema
mysql
performance_schema
phpmyadmin
test
Server: 127.0.0.1
Databases
SQL
Status
User accounts
Export
Import
Settings
Replication
Variables
Charsets
Engines
Plug-ins
Databases
Create database
Database name
utf8mb4_general_ci
Create
Check all
Drop
Search
Database
Collation
Action
information_schema utf8_general_ci Check privileges
mysql utf8mb4_general_ci Check privileges
performance_schema utf8_general_ci Check privileges
phpmyadmin utf8_bin Check privileges
test latin1_swedish_ci Check privileges
Total: 5
Note: Enabling the database statistics here might cause heavy traffic between the web server and the MySQL server.
Enable statistics
Console

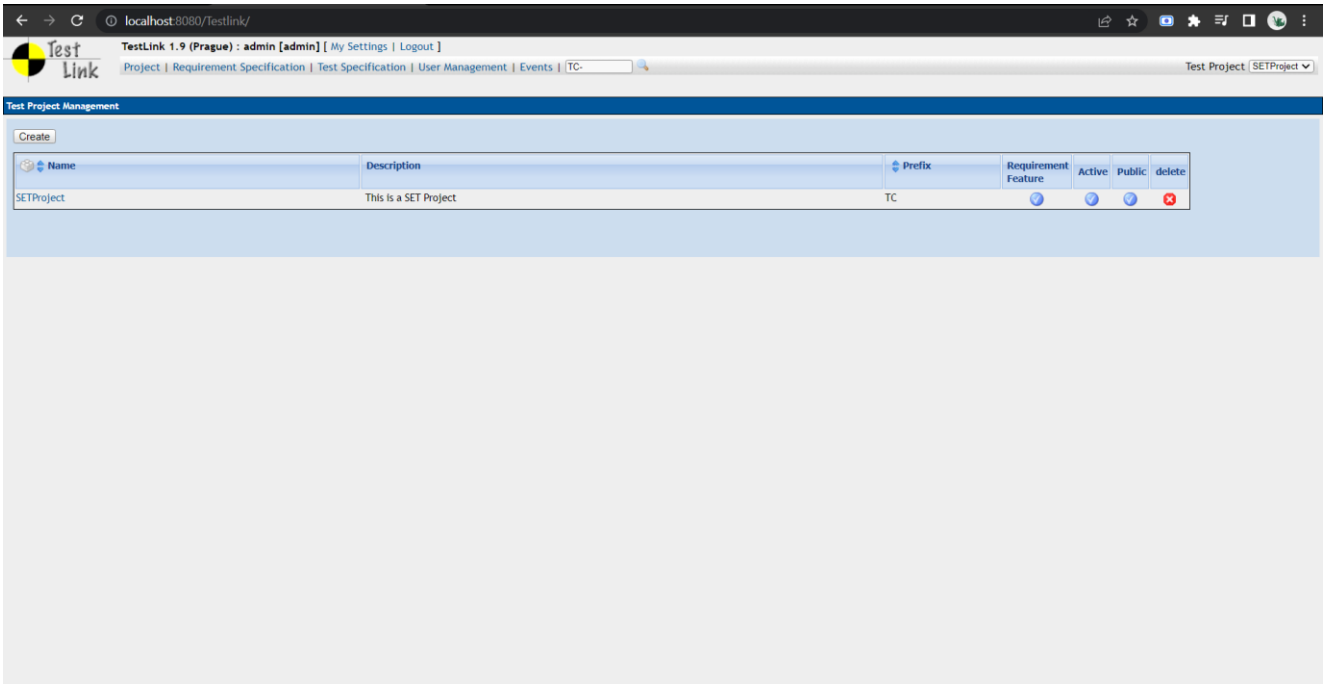


Q 3. Using TestLink tool create multiple test cases (at least 10) on any application/project that you have implemented.

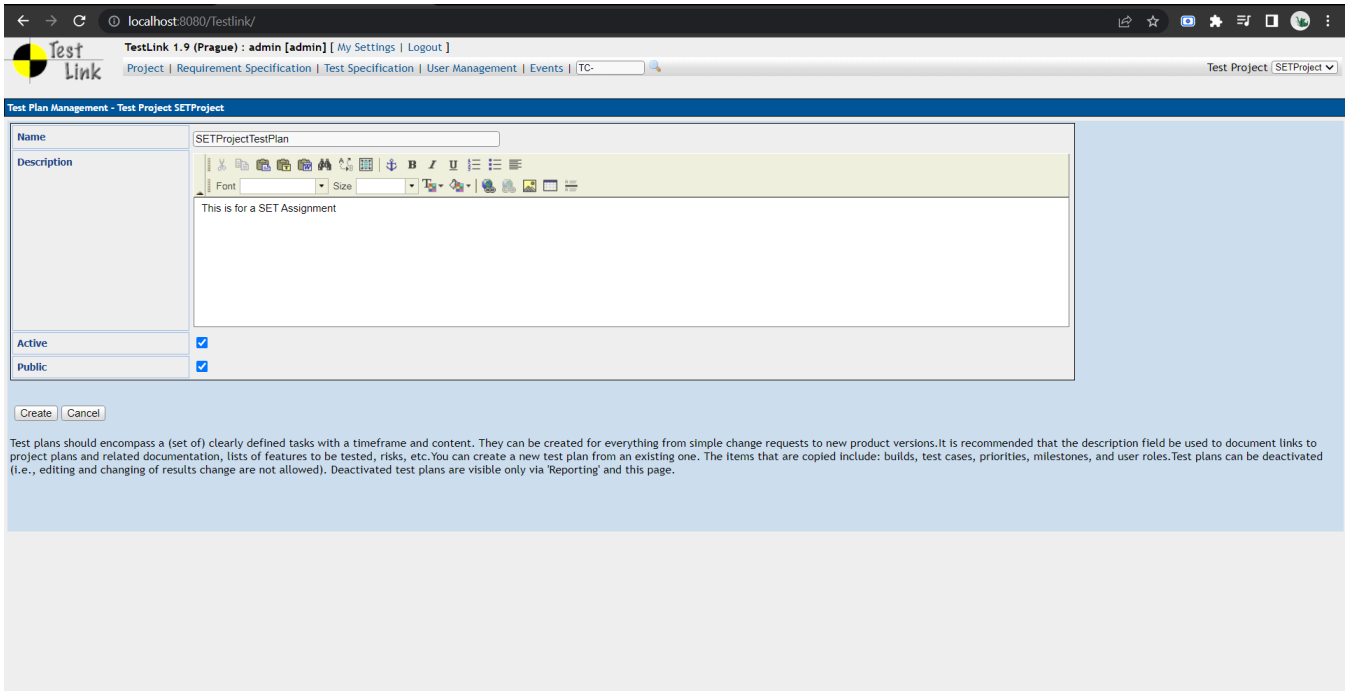
Perform below tasks

a. **Create New test project as SETProject**

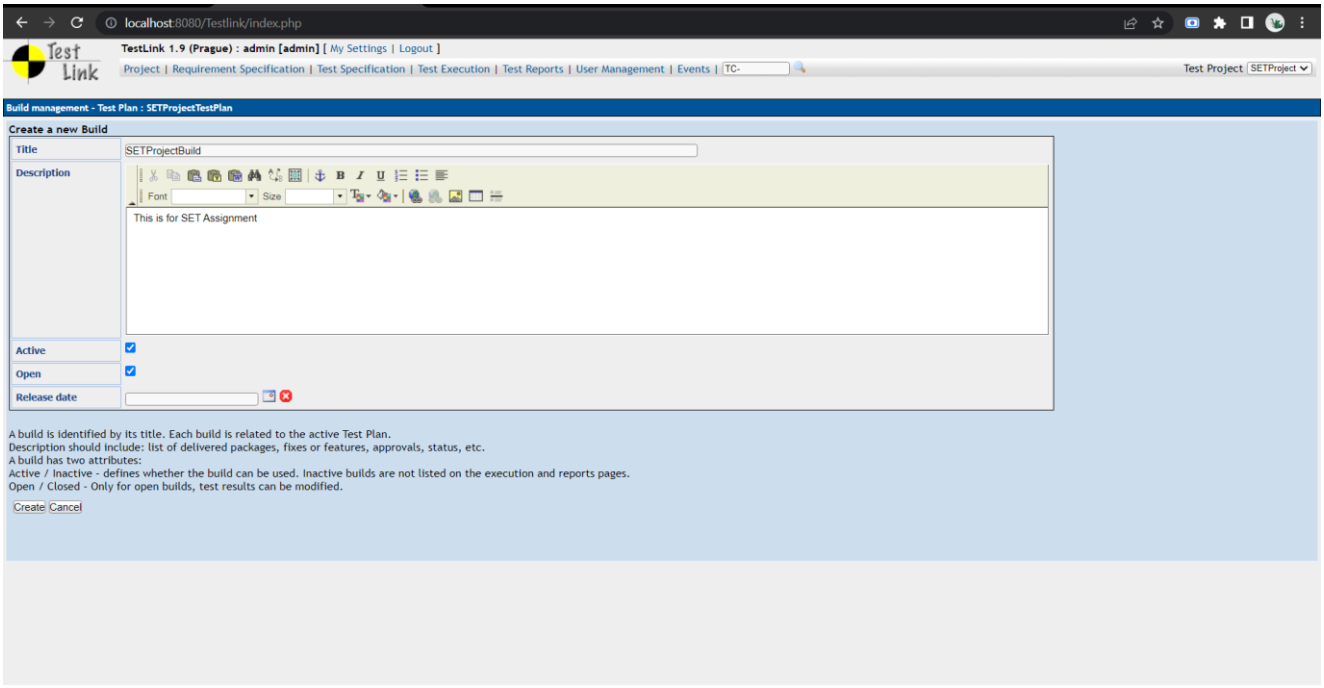




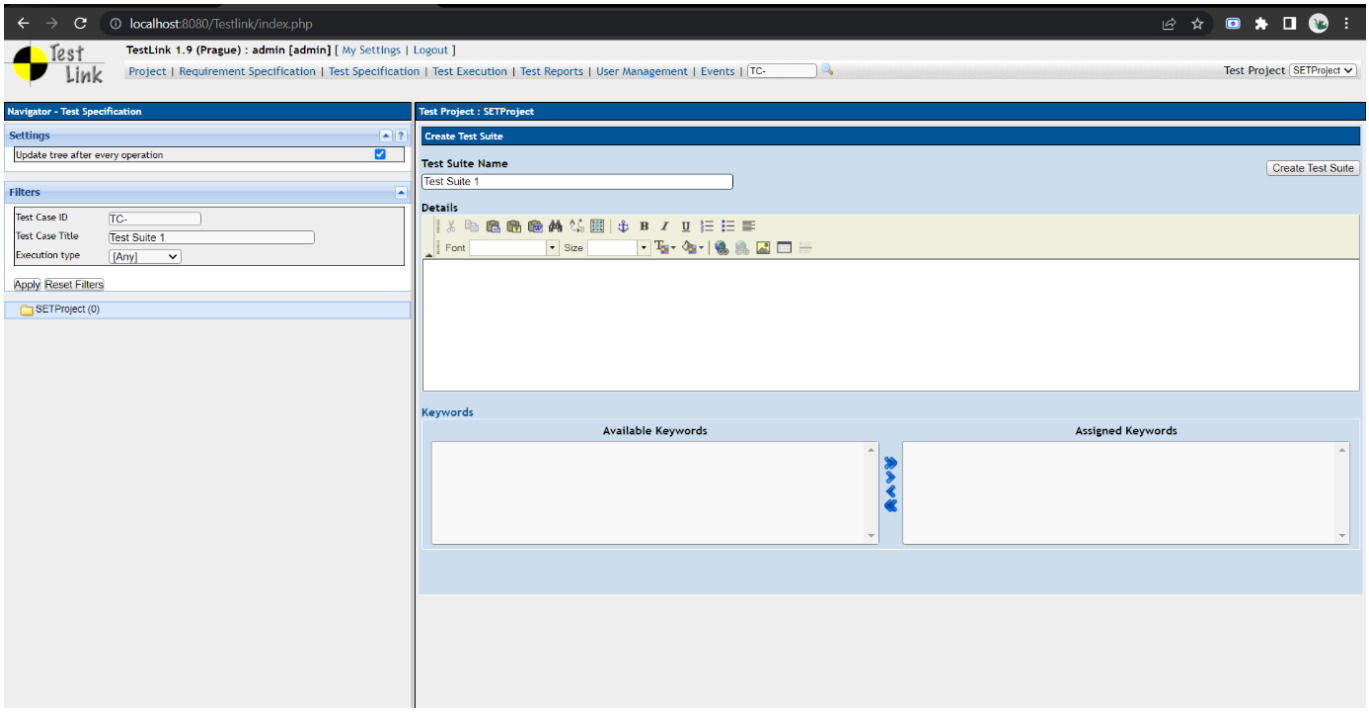
b. **Create a test plan as SETProjectTestPlan**

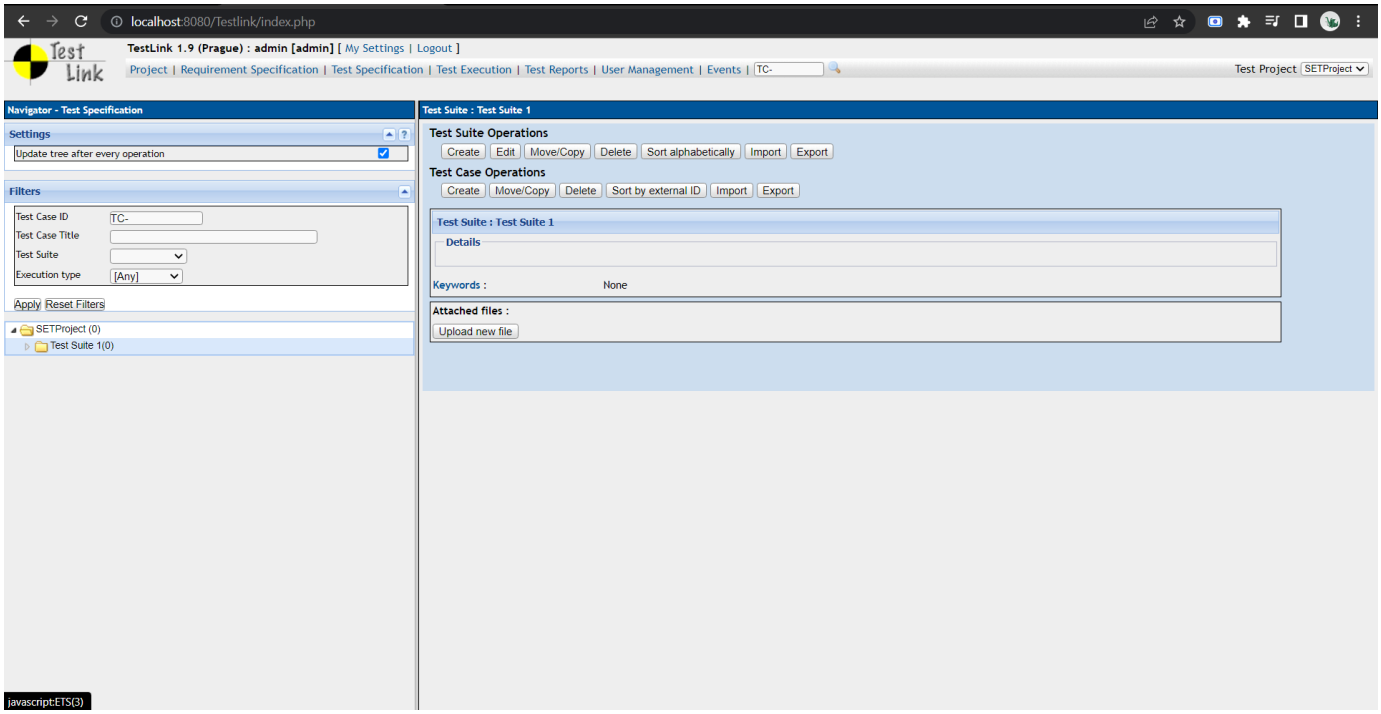


c. Create a build as SETProjectBuild

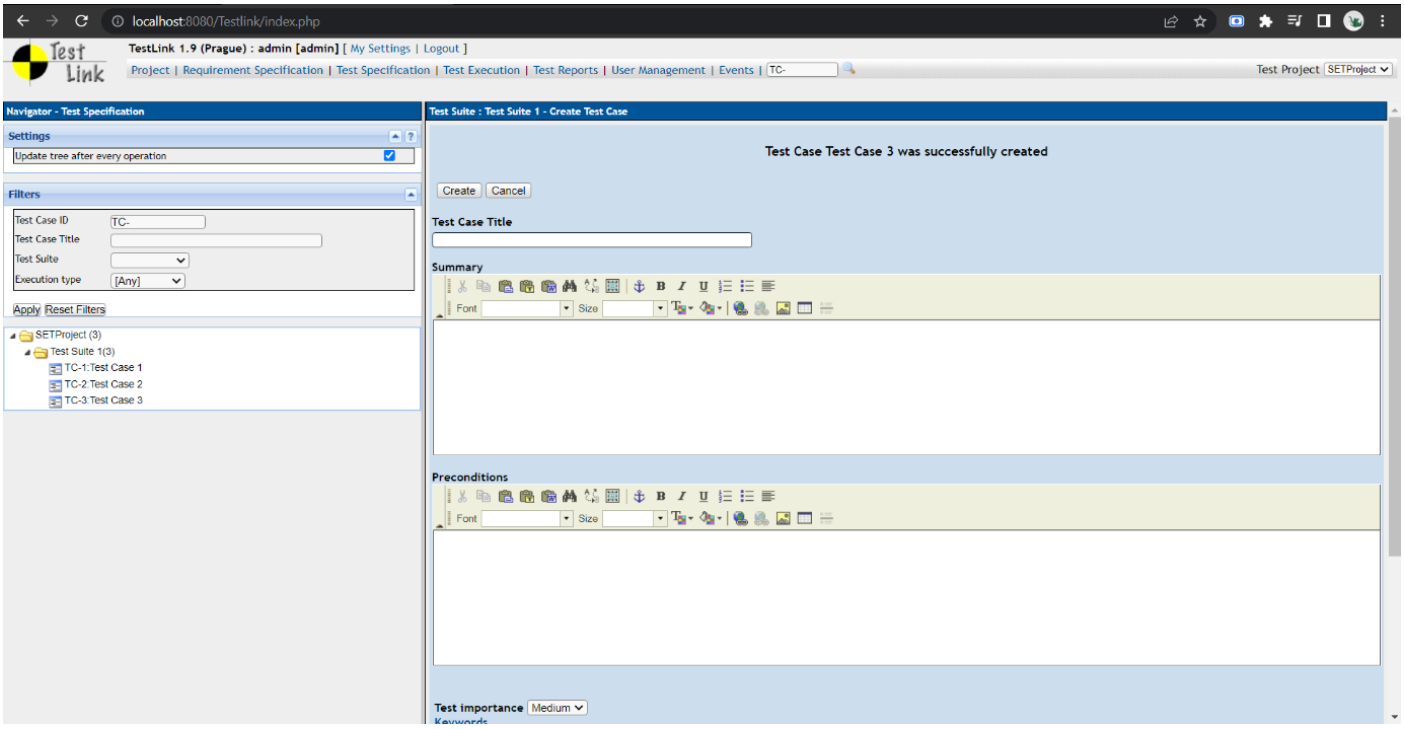


d. Create test suite as Test Suite 1 under SETProject

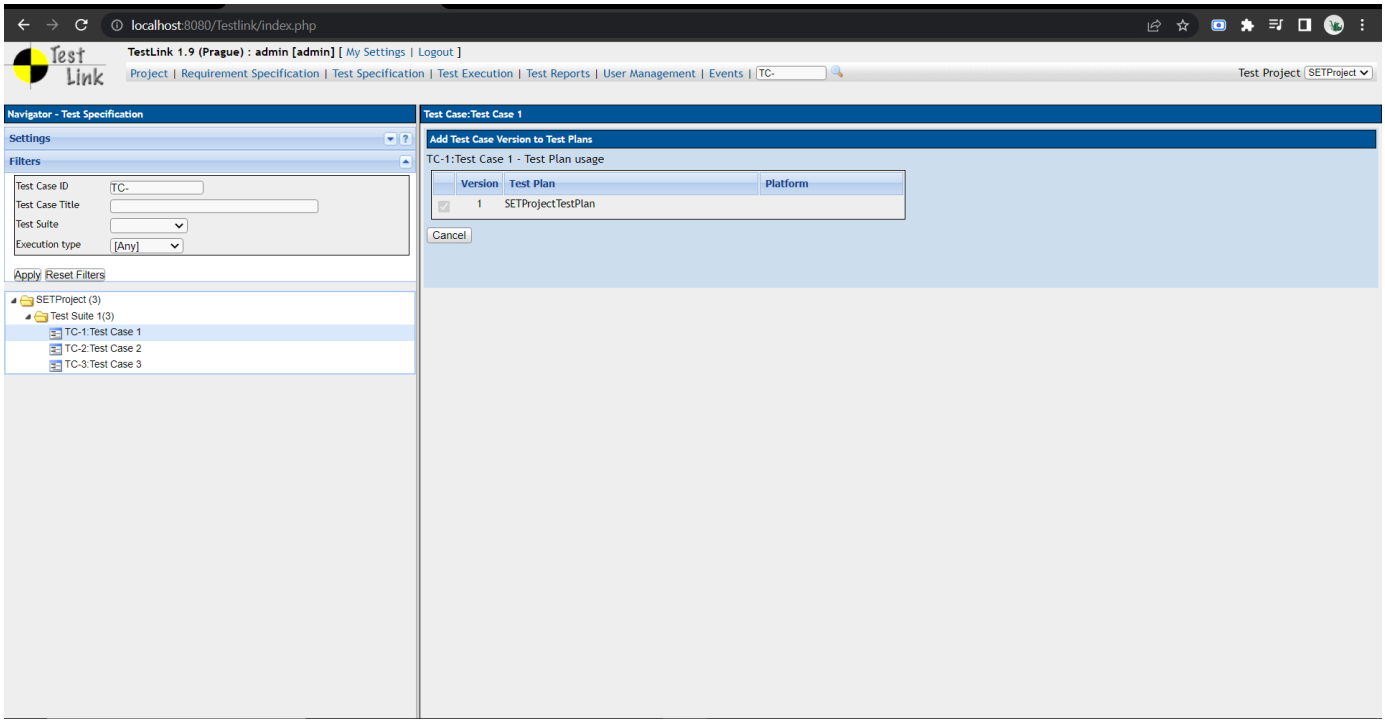




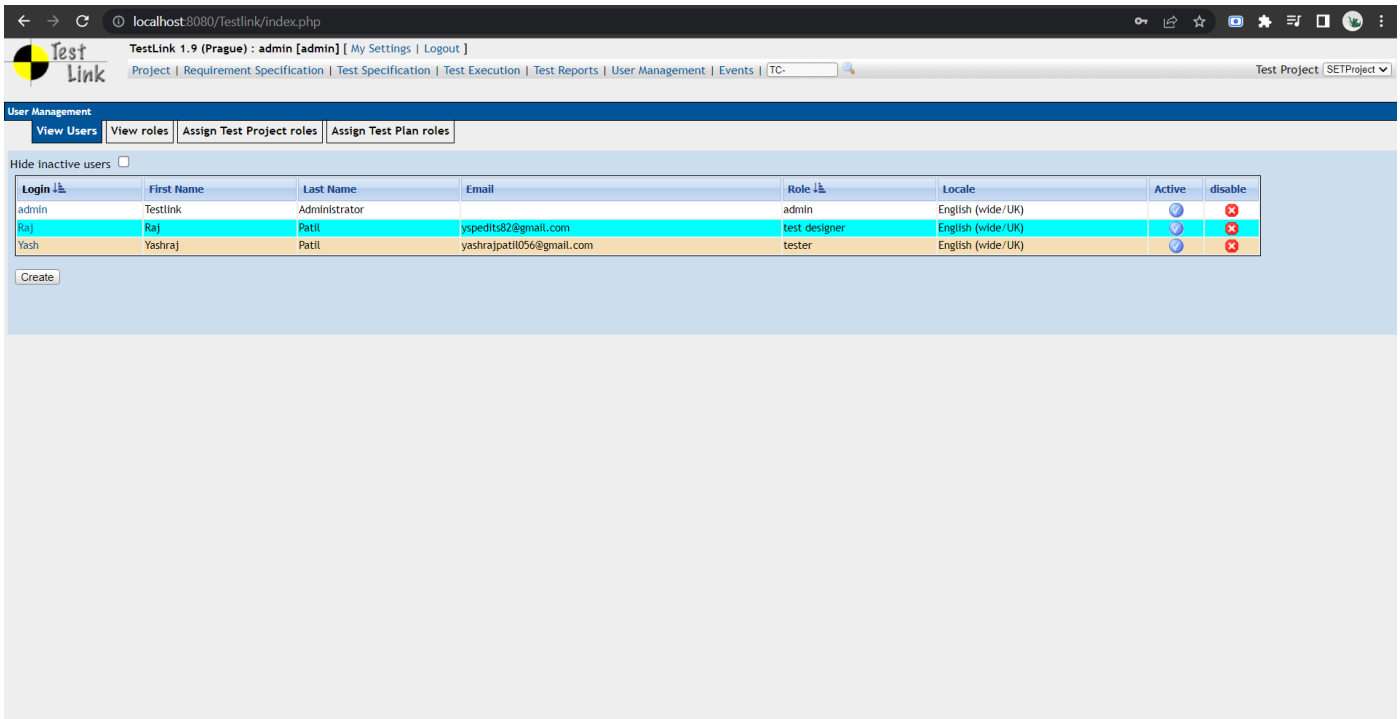
d. Create Test cases in TestLink Tool



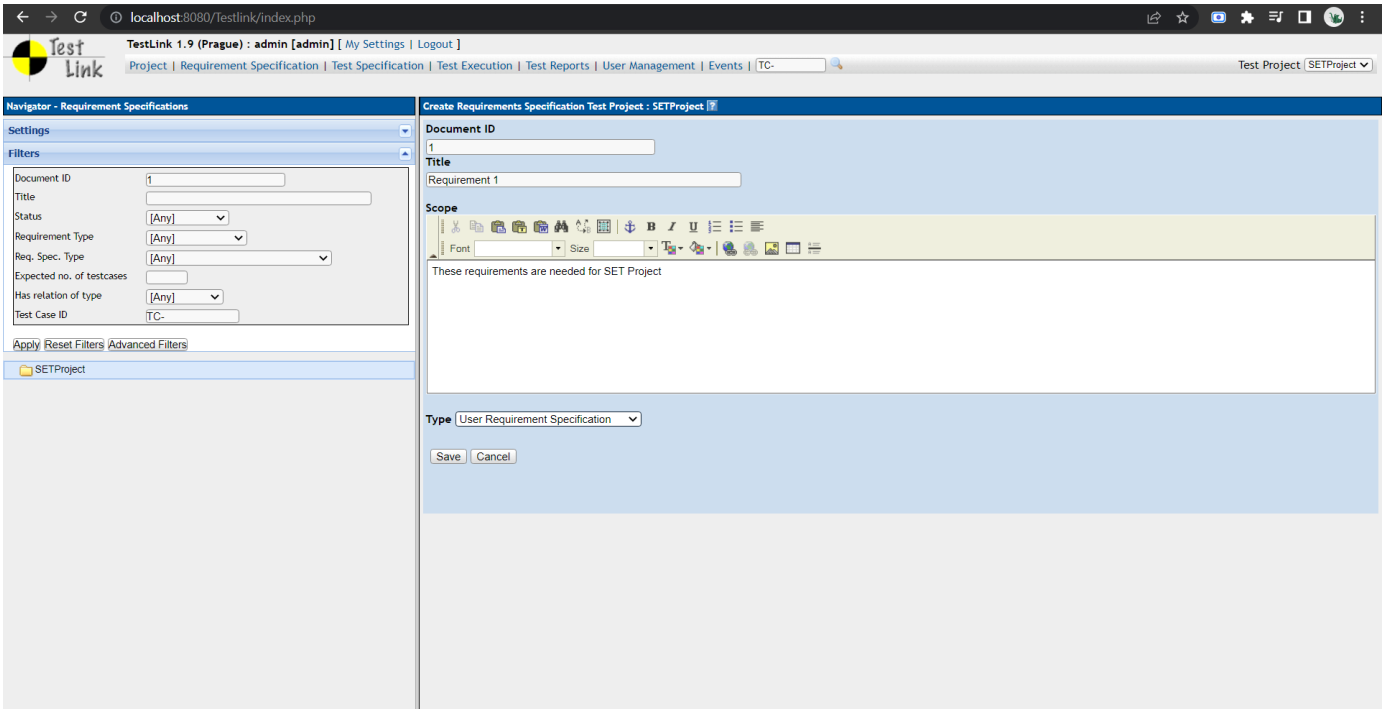
e. Assign created Test Cases to the test plan SETProjectTestPlan



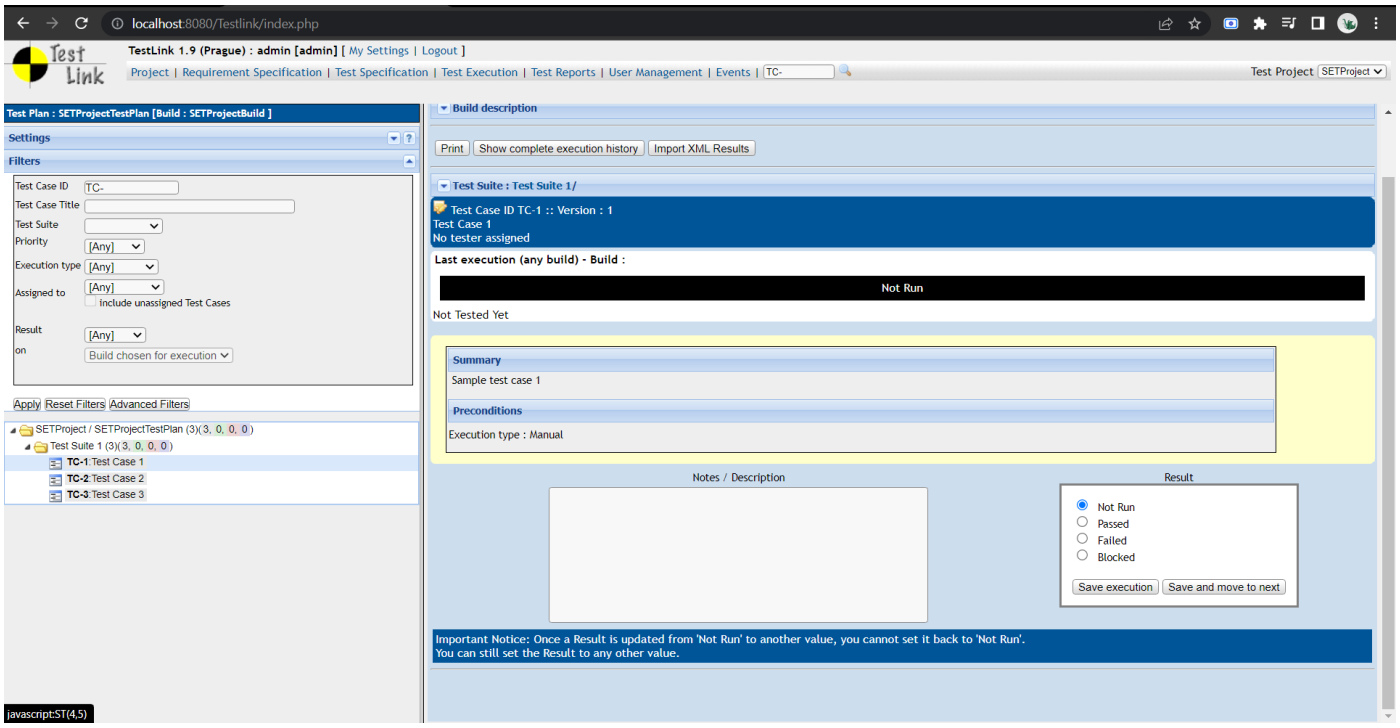
f. Create different roles as given below in the TestLink



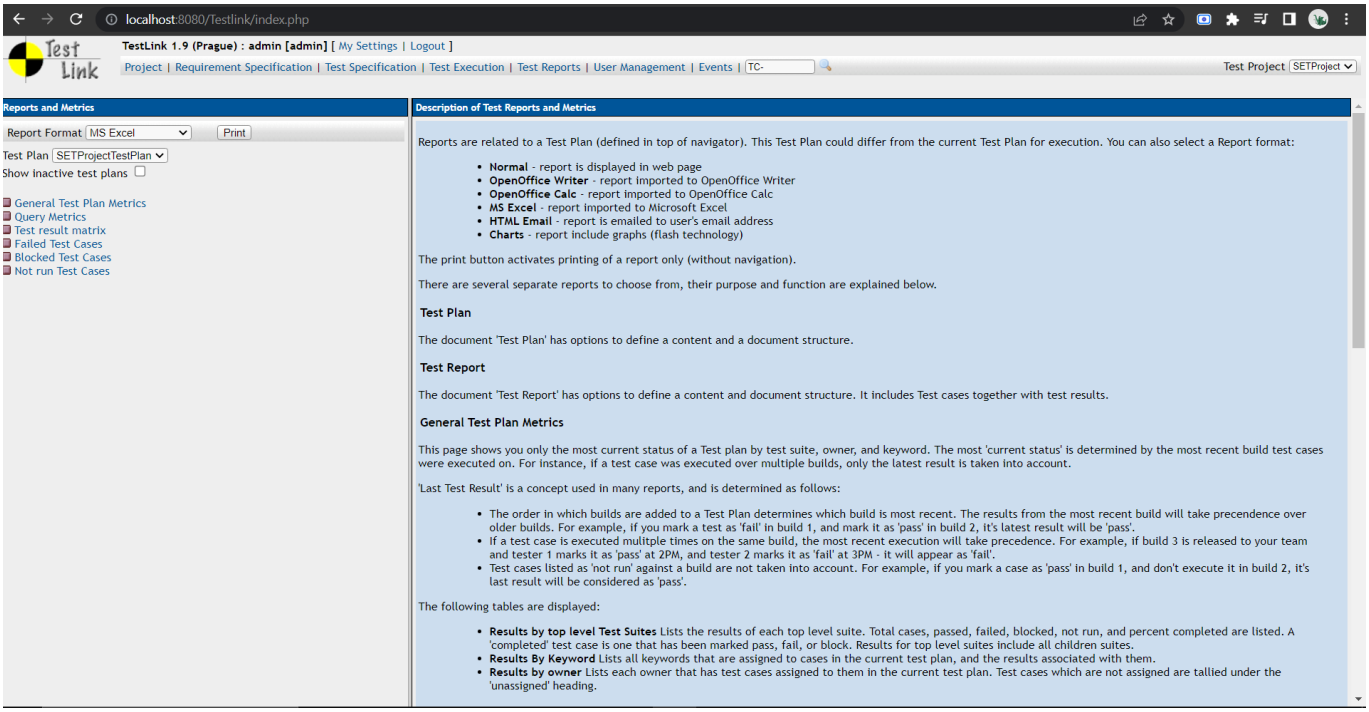
g. Write a requirements in TestLink



f. Execute test cases



g. Generate a test report in excel format.



Testlink Report:

https://drive.google.com/drive/folders/1Ge2o7Y0uKrupP954d5DneEYuvHdeWPNd?usp=sharing