

7 Deployment

Overview

The Software Project application is developed by JavaScript in the front-end and Python3 Django framework and MySQL databases in the back-end.

The steps for installing and deploying Software Project easily is as follows:

1.0 To start a front-end for developing:

1. install npm
2. ``npm install``
3. ``npm start``

2.0 To start a back-end for developing:

1. install Python3 and MySQL
2. Install all packages needed ``pip install -r requirements.txt``
3. start MySQL server on localhost:3306, and create a database named "sp90013" `CREATE DATABASE sp90013``
4. modify the MySQL username and password config in TeamSPBackend/Settings/dev.py and TeamSPBackend/Settings/prod.py (don't forget to modify 'DATABASES/default/TEST/PASSWORD' in prod.py)
5. create MySQL tables ``python manage.py migrate``
6. start server ``python manage.py runserver``

Reference

1. Sample Deployment Checklist: <https://smartbear.com/blog/sample-deployment-checklist/>
2. <http://pages.cs.wisc.edu/~mikem/puddles/deployment>
3. An example: <https://docs.bmc.com/docs/ReleasePackageDeploy/50/using/example-of-a-web-application-deployment>