**For Windows**

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**Versions**:

Python Version - 2.7.18

pip version - 20.3.4

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**Initial Installation and Code Setup**

1. Download and Install Visual Studio Code or any code editor: <https://code.visualstudio.com/download>
2. Clone the code from git repo to your local machine:
3. Method 1: download the code from repo and open the folder which consists of evd and peak library folder in VS code editor.

Got to repo: <https://github.com/Sunbird-Serve/serve-beta.git>

Select Code and download the zip file. Unzip the folder.

Open VS code editor and select the folder which is locally saved.

1. Method 2: Clone the git repo directly to VS code editor.

Open VS code editor window, select the source control from the left hand side corner.

Select “Clone Repository” and provide the below mentioned git repo url.

Git repo: <https://github.com/Sunbird-Serve/serve-beta.git>

Download and install python

<https://www.python.org/downloads/release/python-2717/>

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**Creating and Setting up of Virtual environment**

1. Create virtual environment to install all the necessary applications and dependent

Open the terminal in the VS code editor.

Setup the virtual env –

commands – a) pip install virtualenv

1. virtualenv env --python=python2.7
2. cd env
3. \Scripts\activate

The environment is now activated.

1. cd .. (navigate to previous folder)

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**Install pip and Django**

Check pip version: python -m pip –version

If the pip version is not 20.3.4 then upgrade the version to 20.3.4

1. Install Django

Commands: pip install django==1.4 django-mailer==0.1.0 south

6) Setup PEAK rules – required for some of the generic functions used in python.

Commands: a) cd PEAK-Rules-0.5a1.dev-r2686

b) python setup.py install

c) cd.. (navigate back to previous folder)

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**Install Remaining Packages**

Commands: (If any time while installing the below mentioned packages, you setup tool issue, then execute this command : ‘pip install --upgrade 'setuptools<45.0.0 ‘ else ignore.

1. pip install turbogears
2. pip install xlwt registration notification django-notification==0.2 django-social-auth==0.7.28
3. pip install Pillow reportlab xhtml2pdf == 0.2.4 html5lib==1.0b8 xlwt pisa
4. pip install django-registration==0.8 xlrd python-social-auth==0.2.14
5. pip install pydrive (If version error, then install rsa==4.0)
6. pip install feedparser chronograph simplejson python-dateutil reportlab
7. pip install pypdf2 google-auth-oauthlib boto3~=1.16.57 python-dotenv
8. pip install django-cors-headers==0.11 pyfcm openpyxl redis

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**Database Setup**

a) Download mysql package and install

[MySQL :: Download MySQL Installer](https://dev.mysql.com/downloads/windows/installer/8.0.html)

b) start mysql server and connect to localhost instance

Mysql@localhost:3306

c) Once connected, within the Administration tab select “Data Import/Restore” .

Select Import from the self contained file and provide the path for the .sql file. (.sql file is available in the folder db within the serve-beta repo)

Within the default target schema, create a new schema and select the new schema as the target db.

Select ‘Start Import’

.sql file is now imported to new db with all the tables and data.

9) Install python packages to mysql

Commands: a) pip install mysqlclient

b) pip install mysql-connector-python

c) pip install pymysql

If you encounter mysqlclient install error manually install the mysqlclient package as given in this link: <https://www.educative.io/answers/how-to-fix-the-pip-install-mysqlclient-error-in-python>

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10) Edit the local\_settings.py and .env file with the database name given and the password.

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**Code Modification in env folder**

1. Navigate to the file - env/lib/python2.7/site-packages/notification/view.py

In this file at line 7 change feed to Feed

from django.contrib.syndication.views import Feed

1. Navigate to the file - env/lib/python2.7/site-packages/sx/pisa3/pisa\_util.py

In this file replace lines 55 to 57 with following

if not (reportlab.Version[:3]>="2.1"):

raise ImportError("Reportlab Version 2.1+ is needed!")

REPORTLAB22 = (reportlab.Version[:3]>="2.1")

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**Run the application**

python manage.py runserver --settings=local\_settings

Super Admin Credentials:

Username: admin6

Password: test12345