Dependencies for Password Vault

Technology Stack

- **Backend** - Django Framework
- **Frontend** - ReactJS
- **Database** - MySQL
- **Cloud** - AWS and LogDNA

Python Django :

Version : `3.2.10`

Latest version can be download from https://www.djangoproject.com/download. For step-by-step installation steps, refer to this article.

Modules and their use cases :

Name	Why	Version
`mysqlclient`	To communicate with MySQL DB	2.1.0
`pdfkit`	For generating PDF of raw data.	1.0.0
`pycryptodome`	Cryptography library	3.14.1
`urllib3`	For making API requests	1.26.9
`wkhtmltopdf`	For generating PDF from HTML	1.34
`pypdf`	For PDF encryption	1.26.0

React JS :

Version : `17.0.2`

Install NodeJS from https://nodejs.org/en/. For installation on windows, follow this instruction set. For Unix based systems, refer this link.

Database :

Version : `5.5`

You can install MySQL locally or use any remote database by cloud provider. You can refer to this link to install MySQL.

Cloud :

AWS - You can create your account on AWS by clicking here. Once you signed up, you can create new IAM user with administrator access. It should have administrator permissions as described here.

Name	Why
AWS EC2	To deploy the applications over the virtual machine instance.
AWS CodeDeploy	For deployment to various EC2 instances via various deployment models.
AWS S3	To store various assets like images.
AWS Cloudfront	To save images to closest CDN network.
AWS IAM	To provide roles to various team members according to the requirements.

LogDNA - You can signup on http://logdna.com and create new account. That should be all for logdna.