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IMPLEMENTATION ENGINEER INTERVIEW QUESTIONS

Please answer all the questions in SECTION A and one question of your choice in SECTION B.

SECTION A

1. Give examples of different integration protocols you have come across and give example scripts in python 3 on how to achieve each one. (10 pts)
2. Give a walkthrough of how you will manage a data streaming application sending one million notifications every hour while giving examples of technologies and configurations you will use to manage load and asynchronous services. (10 pts)
3. Give examples of different encryption/hashing methods you have come across (one way and two way) and give example scripts in python 3 on how to achieve each one. (20 pts)

SECTION B

1. Create a login and a success page in Django. A mockup of the created pages should also be submitted. The mockups should have been created by using advanced design/wireframe tools thus showcasing prowess in usage of the tools and use of production server deployments on uwsgi/nginx. Ensure that the sessions are well and securely managed.(60 pts)

2. Create a search and results page using Django and postgreSQL database. The Django application should be deployed on uwsgi/nginx webserver and NOT the development server. This should also be deployed on a red-hat based Linux environment or an alpine docker image container. (60 pts)

In each of the answered questions, give 1000 words walk-through explanations on how to/how you achieved it. The document should be well presented README.md in MARKDOWN, well formatted manual with commands, screenshots and clear prose explanations. The code, the manual and the web server configuration script should be included on **public GitHub** repo and the link emailed to info@interintel.co.ke title "Implementation Engineer Interview Questions Response".

GOOD LUCK!