**SYST35144 Cloud Systems Project**

**Terraform AWS Resources**

* Two members team work is allowed for this lab.
* All the information required to do this lab is represented in the diagram below.
* Deploy using Infrastructure as Code with Hashicorp Terraform the following topology in AWS:

Timeline

Description automatically generated with medium confidence

* Make your code as modular and reusable as possible.
* Submit a formal report (see Evaluation Rubric below).

**Evaluation Rubric**

|  |  |  |
| --- | --- | --- |
| Functionality | Artifacts to provide | Observation |
| TF code building the whole infrastructure. | The code written in a document with succinct comments explaining its functioning. | Functioning code written in a modular format receives a better mark than monolith code. |
| TF code building the whole infrastructure. | The code submitted in a zip file accompanied by a clear README.md explaining the functioning. | Functioning code written in a modular format receives a better mark than monolith code. |
| Proof of the successful deployment of the infrastructure. | Snippets of AWS Management Console showing the present components:   1. Two VPCs 2. Four subnets per VPC. Two privates and two publics as indicated in the diagram. 3. Route tables 4. 2 Internet Gateways 5. Four EC2s | Clear readable snippets must be provided by the student in the document. |