Create unique terraform modules and upload on public terraform registry.

I have created a very small task which creates an EC2 instance over aws cloud and create a small EBS volume with size 5GB only and at the end attach to created instance.

Let's start with the main.tf that will call our module, It contains some required variables which is already defined in source path.

```
module "example" {
  source                     =
"github.com/kmsatyam/instance_ebs_volume_resources?ref=v0.0.1"
  instance_type              = var.instance_type
  availability_zone          = var.availability_zone
  vpc_security_group_ids     = var.vpc_security_group_ids
  key_name                   = var.key_name
  disk_name                  = var.disk_name
  ami_id                     = var.ami_id
  disk_size                  = var.disk_size

}
```

variable.tf

```
variable "ami_id" {
        type       = string
        default    = "ami-0447a12f28fddb066"
      }


      variable "instance_type" {
        type       = string
        default    = "t2.micro"
      }


      variable "availability_zone" {
        type       = string
```

```
        default      = "ap-south-1b"
      }



    variable "vpc_security_group_ids" {
      type       = list
      default      = ["default"]
    }



    variable "key_name" {
      type       = string
      default = "redhat-key"
    }



    variable "disk_size" {
      type       = number
      default = 5
    }



    variable "disk_name" {
      type       = string
      default =  "/dev/sdd"
    }
```

output.tf

```
  output "instance_type" {
        value = module.launching_os.instance_type
      }



      output "disk_name" {
        value = module.launching_os.disk_name
      }



      output "ami_id" {
        value = module.launching_os.image_id
      }



      output "disk_size" {
        value = module.launching_os.disk_size
```

```
}
```

Hence this way we use terraform module.

Thank You