

## DATA 533: Collaborative Software Development

### Lab 2: Package Topic Selection

#### Contributors:

- Bohan Gao, 25611161
- Vicens Paneque Fernandez, 85493799

We will be working on developing a package with **Animals** as topic. We will create two sub-packages with **pet\_animals** and **livestock**, indicating how we are classifying animals. Each package will contain two sub-models, one with initialize method and information and greetings from the animal, and the other with comic or interesting characteristics of the animal. Package directory structure and functions are as follows:

```
├─ package: Animals
│   └─ sub-package1 : pet_animals
│       └─ module 1 pet
│           └─method __init__: 1 attribute: name(str)
│           └─method 1: intro() pet introduction
│           └─method 2: display() pet information
│       └─ module 2 cat (cat class inherit pet class)
│           └─method __init__: 2 attributes: name(str), color(str)
│           └─method 1: sound() pet sound
│           └─method 2: describe() 1 attribute: adj(str)
│   └─ sub-package2 : livestock
│       └─ module 1 livestock
│           └─method __init__: 1 attribute: owner(str)
│           └─method 1: introduce() livestock introduction
│           └─method 2: display() livestock information
│       └─ module 2 cow (cow class inherit livestock class)
│           └─method __init__: 2 attributes: owner(str), price(float)
│           └─method 1: makeSound() cow sound
│           └─method 2: setPrice() 1 attribute: price(float)
│           └─method 3: getPrice() 1 attribute: price(float)
│           └─method 4: display() cow information
```