LAS205A – **Digital Cultures**
Project - **Python**

Project: Part I

Each group is responsible to develop 2 applications:

Application 1: "***Music Recommender***"

Write a Python code that prompt the user for the following inputs (or read from csv file):

▪ Age

▪ Gender (1: Male, 0: Female)

▪ Genre: (HipHop, Dance, Jazz, Classical, Acoustic)

Store the collected inputs into a dictionary called "samples" such that:

samples = {0: {"age": 20, "gender": 1, "genre": "HipHop"}, 1: {"age": 35,

"gender": 0, "genre": "Classical"}}

Application 2: "***Average Weight***"

Write a Python code that prompt the user for the following inputs (or read from csv file):

▪ Gender (1: Male, 0: Female)

▪ Height

▪ Weight

Store the collected inputs into a dictionary called "samples" such that:

samples = {0: {"gender": 1, "Height": 178, "Weight": 76}, 1: {"gender": 0,

"Height": 165, "Weight": 62}}

Project: Part II

Each group is responsible to develop 2 applications:

Application 1: "***Music Recommender***"

Prompt the user to enter:

▪ Gender (1: Male, 0: Female)

▪ Interval of ages such that [age1, age2]

▪ Calculate the percentage of each music type in this interval

Application 2: "***Average Weight***"

Prompt the user to enter:

▪ Gender (1: Male, 0: Female)

▪ Interval of weights such that [w1, w2]

▪ Calculate the percentage of each weight in this interval