**Log in**

If : admin\nZDHH\n3\n +10

Else: +0

**Guidance for users:**

If : admin\nZDHH\n1\n +10

Else: +0

**Add a user**

if : admin\nZDHH\n2\nnewuser\nnewpassword\n3\n +5

if : newuser\nnewpassword\n3\n +5

else: +0

else: +0

**Add submission**

**Create a folder named “data”**

If : copy existing submission path to data success +2.5

If : name of the copied file == ‘{student id}\_{assignment id}.txt’ +1.25

If: copied file content == original one +1.25

else : +0

else : +0

else: +0

If : copy non-existing submission path to data return error +2.5

if : return error and let user enter choice again +2.5

else: +0

**Grade a submission**

If : grade the submission has content and shown content +2.5

If : can receive score and no error+2.5

else : +0

else: +0

If : grade the submission doesn’t have content and return error +2.5

if : return error and let user enter choice again +2.5

else: +0

**List all submission**

**Firstly update a submission with a new grade and test here**

If : show all submission+5

If : Grade updated is shown+2.5

If : Submission with no grade shown ‘/’ +2.5

else : +0

else : +0

else: +0

**List all submission have not been graded**

If : show all submission+5

If : submission include assignment id and student id+2.5

If : same submission with no grade shown separately +2.5

else : +0

else : +0

else: +0

**Display the average score**

**Grade some submission**

If : input ‘ALL’ will give average score of all submission+2.5

else: +0

If : input an id will give average score of submission of that submission+2.5

else: +0

3.

Clear all grade

If : input ‘ALL’ will give 0 +1.25

If : input an id will give 0 +1.25

else: 0

else: +0

4.

If : enter an id not in the existing id list and system exist +2.5

Else: 0

**Display the student who has the highest score**

**Grade some submission**

If : Record of the highest score achiever in each assignments is listed +5

If : No grade shown ‘\’+5

else : +0

else: +0

**Display the student whose score is less than a threshold**

If : enter id and threshold show assignment id, student id and score +5

If : not been graded submission id will return invalid choice; try again+2.5

If : enter an id not in the existing id list return invalid assignment id+2.5

else : +0

else : +0

else: +0

**Store the grade to a JSON file**

If : successfully store the file as json file+10

else: + 0

**Retrieve grade from a JSON file**

If : successfully recover the stored file +10

else: + 0

**Delete a submission and its grade**

If : successfully delete the submission +10

else: + 0