

Assets:

Grade database

Source code for grader

Student code

Threat 1: Student able to access other students' code

Harm: Student could copy this code for his own submission

Asset: Student code

Type: Confidentiality

Probability: 4

Severity: 3

Risk: 12

Threat 2: Student able to change grading database

Harm: Student could give himself a higher score than he normally would've received

Asset: Grading database

Type: Integrity

Probability: 3

Severity: 7

Risk: 21

Threat 3: Ransomware developer able to log in as an administrator and change passwords

Harm: Administrators could be locked out of their accounts and unable to make changes

Asset: Source code for grader

Type: Availability

Probability: 2

Severity: 5

Risk: 10