

Testing Handbook

User-Testing: We heavily user-tested all of the Canvas extension functionality: navigating to the dashboard, distributing submissions, grading and providing feedback, progress bar updating, grade pass backs, group submissions, etc . . .

Testing the Distribution Algorithm: The file tests.jsx found in BackendV2/tests was used to populate the database with dummy data regarding submissions. Then, we tested the distribution algorithm several times by clicking “distribute” from the Frontend. We alternatively distributed submissions; altered caps, weights, and offsets; and added late submissions for distribution.

We cover and explain many use cases throughout this document.

TESTING – PART 1

Total Number of Graders = 12

Initial Settings

Netid	Weights	Offsets	Cap	Assigned	Workload	Progress
mi252	0	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
2	0	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
3	1	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
jg656	1	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
5	1	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
6	1	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
7	2	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
8	2	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
9	2	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
10	2	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
11	3	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
12	3	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>

Note: The only way one can distribute submissions is by clicking the blue “Distribute” button on the Professor’s dashboard. After distribution, only the grader’s offsets and assigned columns are altered. Weights and caps remain unchanged, as distribution does not affect them.

The default value for caps is 100. The default value for offsets is 0. The default value for weights is 1. Weights and offsets are universal (not assignment-specific), while caps are assignment-specific.

Round 1

Distribute 130 Submissions

(Total: 130 Submissions)

NetId	Weights	Offsets	Cap	Assigned	Workload	Progress
mi252	0	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
2	0	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
3	1	0	100	8	View	<div style="width: 8%; background-color: #cccccc;"></div>
jg656	1	1	100	7	View	<div style="width: 7%; background-color: #cccccc;"></div>
5	1	0	100	8	View	<div style="width: 8%; background-color: #cccccc;"></div>
6	1	1	100	7	View	<div style="width: 7%; background-color: #cccccc;"></div>
7	2	1	100	14	View	<div style="width: 14%; background-color: #cccccc;"></div>
8	2	1	100	14	View	<div style="width: 14%; background-color: #cccccc;"></div>
9	2	1	100	14	View	<div style="width: 14%; background-color: #cccccc;"></div>
10	2	0	100	15	View	<div style="width: 15%; background-color: #cccccc;"></div>
11	3	1	100	21	View	<div style="width: 21%; background-color: #cccccc;"></div>
12	3	0	100	22	View	<div style="width: 22%; background-color: #cccccc;"></div>

Submissions successfully distributed.

All graders with non-zero weights and an offset of 0 were the graders that got randomly assigned an extra submission due to rounding have an offset of 0, while all other graders with non-zero weights have an offset of 1.

Note: All graders with weight = 0, offset = 0, and assigned = 0 will never have any submissions assigned to them & their offsets will remain constant; although they appear in the graders table, they are essentially never counted as one.

Round 2

Distribute 6 New Late Submissions

(Total: 136 Submissions)

NetId	Weights	Offsets	Cap	Assigned	Workload	Progress
mi252	0	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
2	0	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
3	1	0	100	8	View	<div style="width: 8%; background-color: #cccccc;"></div>
jg656	1	0	100	8	View	<div style="width: 8%; background-color: #cccccc;"></div>
5	1	0	100	8	View	<div style="width: 8%; background-color: #cccccc;"></div>
6	1	0	100	8	View	<div style="width: 8%; background-color: #cccccc;"></div>
7	2	0	100	15	View	<div style="width: 15%; background-color: #cccccc;"></div>
8	2	0	100	15	View	<div style="width: 15%; background-color: #cccccc;"></div>
9	2	0	100	15	View	<div style="width: 15%; background-color: #cccccc;"></div>
10	2	0	100	15	View	<div style="width: 15%; background-color: #cccccc;"></div>
11	3	0	100	22	View	<div style="width: 22%; background-color: #cccccc;"></div>
12	3	0	100	22	View	<div style="width: 22%; background-color: #cccccc;"></div>

Submissions successfully distributed.

Note: Submissions are distributed first by offsets, and then by weights.

Round 3

Updated Grader 2's Cap to 0 & Grader 2's Offset to 4

(Total: 136 Submissions)

NetId	Weights	Offsets	Cap	Assigned	Workload	Progress
mi252	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="100"/>	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
2	<input type="text" value="0"/>	<input type="text" value="4"/>	<input type="text" value="0"/>	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
3	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="100"/>	8	View	<div style="width: 100%; background-color: #cccccc;"></div>
jg656	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="100"/>	8	View	<div style="width: 100%; background-color: #cccccc;"></div>
5	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="100"/>	8	View	<div style="width: 100%; background-color: #cccccc;"></div>
6	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="100"/>	8	View	<div style="width: 100%; background-color: #cccccc;"></div>
7	<input type="text" value="2"/>	<input type="text" value="0"/>	<input type="text" value="100"/>	15	View	<div style="width: 100%; background-color: #cccccc;"></div>
8	<input type="text" value="2"/>	<input type="text" value="0"/>	<input type="text" value="100"/>	15	View	<div style="width: 100%; background-color: #cccccc;"></div>
9	<input type="text" value="2"/>	<input type="text" value="0"/>	<input type="text" value="100"/>	15	View	<div style="width: 100%; background-color: #cccccc;"></div>
10	<input type="text" value="2"/>	<input type="text" value="0"/>	<input type="text" value="100"/>	15	View	<div style="width: 100%; background-color: #cccccc;"></div>
11	<input type="text" value="3"/>	<input type="text" value="0"/>	<input type="text" value="100"/>	22	View	<div style="width: 100%; background-color: #cccccc;"></div>
12	<input type="text" value="3"/>	<input type="text" value="0"/>	<input type="text" value="100"/>	22	View	<div style="width: 100%; background-color: #cccccc;"></div>

Updates successfully made.

Round 4

Distributed 6 New Late Submissions

(Total: 142 Submissions)

NetId	Weights	Offsets	Cap	Assigned	Workload	Progress
mi252	0	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
2	0	4	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
3	1	0	100	9	View	<div style="width: 100%; background-color: #cccccc;"></div>
jg656	1	0	100	9	View	<div style="width: 100%; background-color: #cccccc;"></div>
5	1	1	100	8	View	<div style="width: 100%; background-color: #cccccc;"></div>
6	1	1	100	8	View	<div style="width: 100%; background-color: #cccccc;"></div>
7	2	0	100	16	View	<div style="width: 100%; background-color: #cccccc;"></div>
8	2	1	100	15	View	<div style="width: 100%; background-color: #cccccc;"></div>
9	2	0	100	16	View	<div style="width: 100%; background-color: #cccccc;"></div>
10	2	0	100	16	View	<div style="width: 100%; background-color: #cccccc;"></div>
11	3	1	100	22	View	<div style="width: 100%; background-color: #cccccc;"></div>
12	3	0	100	23	View	<div style="width: 100%; background-color: #cccccc;"></div>

Submissions successfully distributed.

Note: Although grader 2's weight = 0, it could have been assigned up to 4 submissions (since grader 2 had a positive offset of 4) had its cap been greater than 0.

Round 5

Updated Grader 2's Cap = 100, Grader 3's Cap = 137, Grader 4-12's Cap = 0

(Total: 142 Submissions)

NetId	Weights	Offsets	Cap	Assigned	Workload	Progress
mi252	0	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
2	0	4	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
3	1	0	137	9	View	<div style="width: 100%; background-color: #cccccc;"></div>
jg656	1	0	0	9	View	<div style="width: 100%; background-color: #cccccc;"></div>
5	1	1	0	8	View	<div style="width: 100%; background-color: #cccccc;"></div>
6	1	1	0	8	View	<div style="width: 100%; background-color: #cccccc;"></div>
7	2	0	0	16	View	<div style="width: 100%; background-color: #cccccc;"></div>
8	2	1	0	15	View	<div style="width: 100%; background-color: #cccccc;"></div>
9	2	0	0	16	View	<div style="width: 100%; background-color: #cccccc;"></div>
10	2	0	0	16	View	<div style="width: 100%; background-color: #cccccc;"></div>
11	3	1	0	22	View	<div style="width: 100%; background-color: #cccccc;"></div>
12	3	0	0	23	View	<div style="width: 100%; background-color: #cccccc;"></div>

Updates successfully made.

Round 6

Re-distributed submissions due to changes in caps made in the previous round
 (Total: 142 Submissions)

NetId	Weights	Offsets	Cap	Assigned	Workload	Progress
mi252	0	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
2	0	4	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
3	1	0	137	9	View	<div style="width: 100%; background-color: #cccccc;"></div>
jg656	1	0	0	9	View	<div style="width: 100%; background-color: #cccccc;"></div>
5	1	1	0	8	View	<div style="width: 100%; background-color: #cccccc;"></div>
6	1	1	0	8	View	<div style="width: 100%; background-color: #cccccc;"></div>
7	2	0	0	16	View	<div style="width: 100%; background-color: #cccccc;"></div>
8	2	1	0	15	View	<div style="width: 100%; background-color: #cccccc;"></div>
9	2	0	0	16	View	<div style="width: 100%; background-color: #cccccc;"></div>
10	2	0	0	16	View	<div style="width: 100%; background-color: #cccccc;"></div>
11	3	1	0	22	View	<div style="width: 100%; background-color: #cccccc;"></div>
12	3	0	0	23	View	<div style="width: 100%; background-color: #cccccc;"></div>

! There are more submissions to be distributed than the graders can grade. Please increase the caps.



Error Message: Submissions are NOT able to be successfully re-distributed, so no changes affiliated with distributing submissions are made.

Any grader with the weight of 0 can be assigned at most $[cap]$ or an $[offset + assigned]$ number of submissions – whichever is less. For instance, in the above scenario, grader mi252 can be assigned at most 0 submissions ($[offset + assigned] = 0$), and grader 2 can be assigned at most 4 submissions ($[offset + assigned] = 4$). Since those graders have a weight of 0, they are technically not active graders and cannot be assigned submissions beyond their offsets and what they have already been assigned.

Currently, the sum of the caps of all graders with non-zero weights is 137. For graders with the weight of 0, they can grade at most $0 + 4 = 4$ submissions in all. Thus, in total, all graders can grade at most $137 + 4 = 141$ submissions, which is less than the number of submissions that actually need grading, resulting in the Error Message.

Round 7

Updated Grader 7's Cap = 1

(Total: 142 Submissions)

NetId	Weights	Offsets	Cap	Assigned	Workload	Progress
mi252	0	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
2	0	4	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
3	1	0	137	9	View	<div style="width: 100%; background-color: #cccccc;"></div>
jg656	1	0	0	9	View	<div style="width: 100%; background-color: #cccccc;"></div>
5	1	1	0	8	View	<div style="width: 100%; background-color: #cccccc;"></div>
6	1	1	0	8	View	<div style="width: 100%; background-color: #cccccc;"></div>
7	2	0	1	16	View	<div style="width: 100%; background-color: #cccccc;"></div>
8	2	1	0	15	View	<div style="width: 100%; background-color: #cccccc;"></div>
9	2	0	0	16	View	<div style="width: 100%; background-color: #cccccc;"></div>
10	2	0	0	16	View	<div style="width: 100%; background-color: #cccccc;"></div>
11	3	1	0	22	View	<div style="width: 100%; background-color: #cccccc;"></div>
12	3	0	0	23	View	<div style="width: 100%; background-color: #cccccc;"></div>

Updates successfully made.

Round 8

Re-distributed submissions due to changes in caps made in the previous round

(Total: 142 Submissions)

Netid	Weights	Offsets	Cap	Assigned	Workload	Progress
mi252	0	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
2	0	0	100	4	View	<div style="width: 100%; background-color: #cccccc;"></div>
3	1	0	137	137	View	<div style="width: 100%; background-color: #cccccc;"></div>
jg656	1	137	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
5	1	137	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
6	1	137	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
7	2	143	1	1	View	<div style="width: 100%; background-color: #cccccc;"></div>
8	2	144	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
9	2	144	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
10	2	144	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
11	3	151	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
12	3	151	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>

Submissions successfully redistributed.

Note: By raising grader 7's cap by 1, all graders can grade exactly 142 submissions in all, which exactly equals the number of submissions that need to be graded. Although this case is very impractical, it is still an important use-case to demonstrate: notice how no grader is ever assigned more than their cap allows. Also, while the offsets of all graders with non-zero weights were obviously affected due to their reduced caps, all graders with weights of zero did not have their offset affected by this automated means, since they are technically not counted as active graders.

Round 9

Update Grader 2's Cap = 3; Grader 10's Cap = 1

(Total: 142 Submissions)

NetId	Weights	Offsets	Cap	Assigned	Workload	Progress
mi252	0	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
2	0	0	3	4	View	<div style="width: 100%; background-color: #cccccc;"></div>
3	1	0	137	137	View	<div style="width: 100%; background-color: #cccccc;"></div>
jg656	1	137	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
5	1	137	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
6	1	137	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
7	2	143	1	1	View	<div style="width: 100%; background-color: #cccccc;"></div>
8	2	144	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
9	2	144	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
10	2	144	1	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
11	3	151	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
12	3	151	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>

Updates successfully made.

Round 10

Re-distributed submissions due to changes in caps made in the previous round
 (Total: 142 Submissions)

NetId	Weights	Offsets	Cap	Assigned	Workload	Progress
mi252	0	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
2	0	1	3	3	View	<div style="width: 100%; background-color: #cccccc;"></div>
3	1	0	137	137	View	<div style="width: 100%; background-color: #cccccc;"></div>
jg656	1	137	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
5	1	137	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
6	1	137	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
7	2	143	1	1	View	<div style="width: 100%; background-color: #cccccc;"></div>
8	2	144	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
9	2	144	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
10	2	143	1	1	View	<div style="width: 100%; background-color: #cccccc;"></div>
11	3	151	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
12	3	151	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>

Submissions successfully redistributed.

Note: The offset of grader 2 is now 1, since 1 assigned submission was removed from grader 2's workload.

TESTING – PART 2

Total Number of Graders = 12

Initial Settings
(286 Submissions)

NetId	Weights	Offsets	Cap	Assigned	Workload	Progress
mi252	0	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
2	0	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
3	1	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
jg656	1	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
5	1	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
6	1	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
7	2	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
8	2	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
9	2	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
10	2	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
11	3	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
12	3	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>

Round 1

Grader 9 wants to take an excusable leave

Update Grader 9's Cap and Weight to 0

NetId	Weights	Offsets	Cap	Assigned	Workload	Progress
mi252	0	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
2	0	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
3	1	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
jg656	1	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
5	1	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
6	1	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
7	2	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
8	2	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
9	0	0	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
10	2	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
11	3	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
12	3	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>

Updates successfully made.

Round 2

Distribute 286 Submissions

(Total: 286 Submissions)

NetId	Weights	Offsets	Cap	Assigned	Workload	Progress
mi252	0	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
2	0	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
3	1	0	100	18	View	<div style="width: 100%; background-color: #cccccc;"></div>
jg656	1	0	100	18	View	<div style="width: 100%; background-color: #cccccc;"></div>
5	1	1	100	17	View	<div style="width: 100%; background-color: #cccccc;"></div>
6	1	0	100	18	View	<div style="width: 100%; background-color: #cccccc;"></div>
7	2	0	100	36	View	<div style="width: 100%; background-color: #cccccc;"></div>
8	2	0	100	36	View	<div style="width: 100%; background-color: #cccccc;"></div>
9	0	0	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
10	2	0	100	36	View	<div style="width: 100%; background-color: #cccccc;"></div>
11	3	0	100	54	View	<div style="width: 100%; background-color: #cccccc;"></div>
12	3	1	100	53	View	<div style="width: 100%; background-color: #cccccc;"></div>

Submissions successfully distributed.

By updating grader 9's cap to 0, grader 9 is not assigned any submissions.

And, by updating grader 9's weight to 0, grader 9's offset will remain unaffected and constant – so they won't have to make-up any submissions later on (since graders with zero weights are regarded as inactive graders automatically).

*****Important Notes:**

1. If a student takes an excusable leave of absence, it is imperative that BOTH the weight and cap are updated to 0.

If you forget to change the weight to 0 and only change the cap to 0, then although the grader will not be assigned any submissions, the grader's offset will be negatively impacted since they are still considered to be an active grader due to the non-zero weight. In order to then fix this, you will have to manually update the weight to 0 immediately and re-set their offset to what it had been previously set to.

2. If a student takes an inexcusable leave of absence, it is imperative that ONLY the cap is updated to 0, so the grader is still considered to be an active grader and their offset will be negatively impacted.

3. Consider that we are distributing submissions only for an assignment called A1 currently.

The professors distributed 100 submissions for A1. Then the professor changes a grader's weight, and then redistributed 15 new late submissions.

In this case, the distribution algorithm will NOT redistribute the original 100 submissions based on the new weights – those remain exactly unchanged. Only new, incoming submissions or submissions that need re-distribution will use the new, updated weights.

*****So, it is highly recommended against distributing submissions for an assignment, changing weights, and then distributing more submissions for that same assignment.**

Round 3

Grader 7 realizes that he can only grade at most 30 submissions

Grader 7's cap is updated to 30 [Since it's an inexcusable leave, grader 7's weight remains unchanged and the grader's offset will be impacted]

NetId	Weights	Offsets	Cap	Assigned	Workload	Progress
mi252	0	0	100	0	View	<div style="width: 100%; background-color: #cccccc; height: 10px;"></div>
2	0	0	100	0	View	<div style="width: 100%; background-color: #cccccc; height: 10px;"></div>
3	1	0	100	18	View	<div style="width: 100%; background-color: #cccccc; height: 10px;"></div>
jg656	1	0	100	18	View	<div style="width: 100%; background-color: #cccccc; height: 10px;"></div>
5	1	1	100	17	View	<div style="width: 100%; background-color: #cccccc; height: 10px;"></div>
6	1	0	100	18	View	<div style="width: 100%; background-color: #cccccc; height: 10px;"></div>
7	2	0	30	36	View	<div style="width: 100%; background-color: #cccccc; height: 10px;"></div>
8	2	0	100	36	View	<div style="width: 100%; background-color: #cccccc; height: 10px;"></div>
9	0	0	0	0	View	<div style="width: 100%; background-color: #cccccc; height: 10px;"></div>
10	2	0	100	36	View	<div style="width: 100%; background-color: #cccccc; height: 10px;"></div>
11	3	0	100	54	View	<div style="width: 100%; background-color: #cccccc; height: 10px;"></div>
12	3	1	100	53	View	<div style="width: 100%; background-color: #cccccc; height: 10px;"></div>

Update successfully made.

Round 4

Redistribute submissions

(Total: 286 Submissions)

NetId	Weights	Offsets	Cap	Assigned	Workload	Progress
mi252	0	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
2	0	0	100	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
3	1	0	100	19	View	<div style="width: 100%; background-color: #cccccc;"></div>
jg656	1	0	100	19	View	<div style="width: 100%; background-color: #cccccc;"></div>
5	1	1	100	18	View	<div style="width: 100%; background-color: #cccccc;"></div>
6	1	0	100	19	View	<div style="width: 100%; background-color: #cccccc;"></div>
7	2	7	30	30	View	<div style="width: 100%; background-color: #cccccc;"></div>
8	2	0	100	37	View	<div style="width: 100%; background-color: #cccccc;"></div>
9	0	0	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
10	2	1	100	36	View	<div style="width: 100%; background-color: #cccccc;"></div>
11	3	1	100	54	View	<div style="width: 100%; background-color: #cccccc;"></div>
12	3	1	100	54	View	<div style="width: 100%; background-color: #cccccc;"></div>

Submissions successfully redistributed.

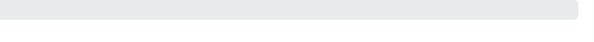
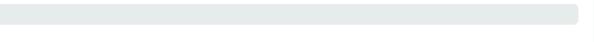
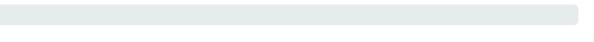
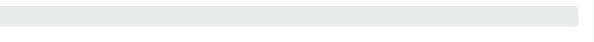
Note: If a student takes an inexcusable leave, then they will have to grade extra submissions in the future. Thus, grader 7's offset increased.

TESTING – PART 3

Total Number of Graders = 12

Initial Settings (Equal Weights)

(Total: 12 Submissions)

NetId	Weights	Offsets	Cap	Assigned	Workload	Progress
mi252	1	0	100	0	View	
2	1	0	100	0	View	
3	1	0	100	0	View	
jg656	1	0	100	0	View	
5	1	0	100	0	View	
6	1	0	100	0	View	
7	1	0	100	0	View	
8	1	0	100	0	View	
9	1	0	100	0	View	
10	1	0	100	0	View	
11	1	0	100	0	View	
12	1	0	100	0	View	

Round 1

Distribute 12 Submissions

(Total: 12 Submissions)

NetId	Weights	Offsets	Cap	Assigned	Workload	Progress
mi252	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="100"/>	1	View	<div style="width: 100%; background-color: #cccccc;"></div>
2	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="100"/>	1	View	<div style="width: 100%; background-color: #cccccc;"></div>
3	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="100"/>	1	View	<div style="width: 100%; background-color: #cccccc;"></div>
jg656	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="100"/>	1	View	<div style="width: 100%; background-color: #cccccc;"></div>
5	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="100"/>	1	View	<div style="width: 100%; background-color: #cccccc;"></div>
6	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="100"/>	1	View	<div style="width: 100%; background-color: #cccccc;"></div>
7	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="100"/>	1	View	<div style="width: 100%; background-color: #cccccc;"></div>
8	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="100"/>	1	View	<div style="width: 100%; background-color: #cccccc;"></div>
9	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="100"/>	1	View	<div style="width: 100%; background-color: #cccccc;"></div>
10	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="100"/>	1	View	<div style="width: 100%; background-color: #cccccc;"></div>
11	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="100"/>	1	View	<div style="width: 100%; background-color: #cccccc;"></div>
12	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="100"/>	1	View	<div style="width: 100%; background-color: #cccccc;"></div>

Submissions successfully distributed.

Round 2

Updated caps of all graders as shown below

NetId	Weights	Offsets	Cap	Assigned	Workload	Progress
mi252	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="3"/>	1	View	<div style="width: 100%; background-color: #cccccc;"></div>
2	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="2"/>	1	View	<div style="width: 100%; background-color: #cccccc;"></div>
3	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="2"/>	1	View	<div style="width: 100%; background-color: #cccccc;"></div>
jg656	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="2"/>	1	View	<div style="width: 100%; background-color: #cccccc;"></div>
5	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="2"/>	1	View	<div style="width: 100%; background-color: #cccccc;"></div>
6	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="1"/>	1	View	<div style="width: 100%; background-color: #cccccc;"></div>
7	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	1	View	<div style="width: 100%; background-color: #cccccc;"></div>
8	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	1	View	<div style="width: 100%; background-color: #cccccc;"></div>
9	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	1	View	<div style="width: 100%; background-color: #cccccc;"></div>
10	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	1	View	<div style="width: 100%; background-color: #cccccc;"></div>
11	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	1	View	<div style="width: 100%; background-color: #cccccc;"></div>
12	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	1	View	<div style="width: 100%; background-color: #cccccc;"></div>

Updates successfully made.

Round 3

Redistribute submissions

(Total: 12 Submissions)

NetId	Weights	Offsets	Cap	Assigned	Workload	Progress
mi252	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="3"/>	3	View	<div style="width: 100%; background-color: #cccccc;"></div>
2	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="2"/>	2	View	<div style="width: 100%; background-color: #cccccc;"></div>
3	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="2"/>	2	View	<div style="width: 100%; background-color: #cccccc;"></div>
jg656	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="2"/>	2	View	<div style="width: 100%; background-color: #cccccc;"></div>
5	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="2"/>	2	View	<div style="width: 100%; background-color: #cccccc;"></div>
6	<input type="text" value="1"/>	<input type="text" value="2"/>	<input type="text" value="1"/>	1	View	<div style="width: 100%; background-color: #cccccc;"></div>
7	<input type="text" value="1"/>	<input type="text" value="3"/>	<input type="text" value="0"/>	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
8	<input type="text" value="1"/>	<input type="text" value="3"/>	<input type="text" value="0"/>	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
9	<input type="text" value="1"/>	<input type="text" value="3"/>	<input type="text" value="0"/>	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
10	<input type="text" value="1"/>	<input type="text" value="3"/>	<input type="text" value="0"/>	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
11	<input type="text" value="1"/>	<input type="text" value="3"/>	<input type="text" value="0"/>	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
12	<input type="text" value="1"/>	<input type="text" value="3"/>	<input type="text" value="0"/>	0	View	<div style="width: 100%; background-color: #cccccc;"></div>

Submissions successfully redistributed.

Round 4

Grader mi252 graded 1 out of the 3 assigned submissions assigned to him

NetId	Weights	Offsets	Cap	Assigned	Workload	Progress
mi252	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="3"/>	3	View	<div style="width: 25%;"><div style="width: 100%;">1</div></div>
2	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="2"/>	2	View	<div style="width: 100%;"></div>
3	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="2"/>	2	View	<div style="width: 100%;"></div>
jg656	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="2"/>	2	View	<div style="width: 100%;"></div>
5	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="2"/>	2	View	<div style="width: 100%;"></div>
6	<input type="text" value="1"/>	<input type="text" value="2"/>	<input type="text" value="1"/>	1	View	<div style="width: 50%;"></div>
7	<input type="text" value="1"/>	<input type="text" value="3"/>	<input type="text" value="0"/>	0	View	<div style="width: 100%;"></div>
8	<input type="text" value="1"/>	<input type="text" value="3"/>	<input type="text" value="0"/>	0	View	<div style="width: 100%;"></div>
9	<input type="text" value="1"/>	<input type="text" value="3"/>	<input type="text" value="0"/>	0	View	<div style="width: 100%;"></div>
10	<input type="text" value="1"/>	<input type="text" value="3"/>	<input type="text" value="0"/>	0	View	<div style="width: 100%;"></div>
11	<input type="text" value="1"/>	<input type="text" value="3"/>	<input type="text" value="0"/>	0	View	<div style="width: 100%;"></div>
12	<input type="text" value="1"/>	<input type="text" value="3"/>	<input type="text" value="0"/>	0	View	<div style="width: 100%;"></div>

Round 5

Update Grader 7's Cap = 10

Grader mi252 realizes that he cannot grade any more submissions so he asks the professor to reduce his cap to 1; however, the professor accidentally reduces his cap to 0 even though he already graded 1 submission

NetId	Weights	Offsets	Cap	Assigned	Workload	Progress
mi252	1	0	0	3	View	<div style="width: 10%; background-color: #007bff;"><div style="width: 100%;">1</div></div>
2	1	1	2	2	View	<div style="width: 100%; background-color: #cccccc;"></div>
3	1	1	2	2	View	<div style="width: 100%; background-color: #cccccc;"></div>
jg656	1	1	2	2	View	<div style="width: 100%; background-color: #cccccc;"></div>
5	1	1	2	2	View	<div style="width: 100%; background-color: #cccccc;"></div>
6	1	2	1	1	View	<div style="width: 100%; background-color: #cccccc;"></div>
7	1	3	10	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
8	1	3	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
9	1	3	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
10	1	3	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
11	1	3	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>
12	1	3	0	0	View	<div style="width: 100%; background-color: #cccccc;"></div>

Updates successfully made

Round 6

Redistribute submissions

(Total: 12 Submissions)

NetId	Weights	Offsets	Cap	Assigned	Workload	Progress
mi252	1	0	0	3	View	<div style="width: 10%;"><div style="background-color: #007bff; width: 10%; height: 10px;"></div></div>
2	1	1	2	2	View	<div style="width: 100%;"><div style="background-color: #cccccc; width: 100%; height: 10px;"></div></div>
3	1	1	2	2	View	<div style="width: 100%;"><div style="background-color: #cccccc; width: 100%; height: 10px;"></div></div>
jg656	1	1	2	2	View	<div style="width: 100%;"><div style="background-color: #cccccc; width: 100%; height: 10px;"></div></div>
5	1	1	2	2	View	<div style="width: 100%;"><div style="background-color: #cccccc; width: 100%; height: 10px;"></div></div>
6	1	2	1	1	View	<div style="width: 100%;"><div style="background-color: #cccccc; width: 100%; height: 10px;"></div></div>
7	1	3	10	0	View	<div style="width: 100%;"><div style="background-color: #cccccc; width: 100%; height: 10px;"></div></div>
8	1	3	0	0	View	<div style="width: 100%;"><div style="background-color: #cccccc; width: 100%; height: 10px;"></div></div>
9	1	3	0	0	View	<div style="width: 100%;"><div style="background-color: #cccccc; width: 100%; height: 10px;"></div></div>
10	1	3	0	0	View	<div style="width: 100%;"><div style="background-color: #cccccc; width: 100%; height: 10px;"></div></div>
11	1	3	0	0	View	<div style="width: 100%;"><div style="background-color: #cccccc; width: 100%; height: 10px;"></div></div>
12	1	3	0	0	View	<div style="width: 100%;"><div style="background-color: #cccccc; width: 100%; height: 10px;"></div></div>

! The number of graded assignments exceeds the cap. Please raise the cap by at least 1 assignments.



Error Message: Submissions are NOT able to be successfully redistributed, so no changes affiliated with distributing submissions are made.

For the submissions to be successfully redistributed, grader mi252's cap must be raised to at least 1, since graded submissions cannot obviously be redistributed. Basically, the number of graded submissions must never exceed the cap.

Round 7

Update Grader mi252's Cap = 1 & Redistribute Submissions
(12 Submissions)

NetId	Weights	Offsets	Cap	Assigned	Workload	Progress
mi252	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="1"/>	1	View	<div style="width: 100%; background-color: #007bff; height: 10px; margin-bottom: 5px;"></div> <div style="width: 100%; background-color: #6c757d; height: 10px;"></div> 1
2	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="2"/>	2	View	<div style="width: 50%; background-color: #6c757d; height: 10px;"></div>
3	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="2"/>	2	View	<div style="width: 50%; background-color: #6c757d; height: 10px;"></div>
jg656	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="2"/>	2	View	<div style="width: 50%; background-color: #6c757d; height: 10px;"></div>
5	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="2"/>	2	View	<div style="width: 50%; background-color: #6c757d; height: 10px;"></div>
6	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="1"/>	1	View	<div style="width: 50%; background-color: #6c757d; height: 10px;"></div>
7	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="10"/>	2	View	<div style="width: 10%; background-color: #6c757d; height: 10px;"></div>
8	<input type="text" value="1"/>	<input type="text" value="2"/>	<input type="text" value="0"/>	0	View	<div style="width: 100%; background-color: #6c757d; height: 10px;"></div>
9	<input type="text" value="1"/>	<input type="text" value="2"/>	<input type="text" value="0"/>	0	View	<div style="width: 100%; background-color: #6c757d; height: 10px;"></div>
10	<input type="text" value="1"/>	<input type="text" value="2"/>	<input type="text" value="0"/>	0	View	<div style="width: 100%; background-color: #6c757d; height: 10px;"></div>
11	<input type="text" value="1"/>	<input type="text" value="2"/>	<input type="text" value="0"/>	0	View	<div style="width: 100%; background-color: #6c757d; height: 10px;"></div>
12	<input type="text" value="1"/>	<input type="text" value="2"/>	<input type="text" value="0"/>	0	View	<div style="width: 100%; background-color: #6c757d; height: 10px;"></div>

Successfully redistributed submissions.