

**CS-103: Introduction to Internet Technologies and Web Programming**  
**Homework 10**  
**Due by 9pm Friday December 1, 2006**

HW10 includes two parts:

- An optional **collective grade growth fund** with participation deadline 9pm Tue Nov 28
- A required **summary report** due 9pm Friday December 1

**Join the collective grade growth fund for CS-103!**

**Double your grade from the comfort of you own home with this fail-proof technique:**

- You may donate 0 to 200 cents to the collective pool.
- Each cent you donate to the pool results in 0.01 of a point **subtracted** from your grade on HW10.
- Points will be **added** to your HW10 grade depending on the collective donations of the entire class as follows:
  1. Total cents donated to the collective pool will be tallied **9pm Tuesday November 28**
  2. Divide total cents by 100 to obtain total points
  3. Divide total points by number of students participating in pool to obtain average points
  4. **Double** average points to obtain **RPP** = returned points per participant
  5. Each student who participated in the collective pool (**regardless of amount donated**) will be awarded **RPP** points as part of their score for HW10

**Participating in collective grade growth fund is voluntary. In order to participate in the collective grade growth fund, you must follow these instructions:**

Send an email to [behoppe@bu.edu](mailto:behoppe@bu.edu) with a subject line in the following format:

**HW10 *last\_name cents\_donated***

where *last\_name* is your last name and *cents\_donated* is how many cents you are donating (from 0 to 200).

You may change your mind at any time by sending a new email to [behoppe@bu.edu](mailto:behoppe@bu.edu). All previous HW10 donation emails you may have sent will be ignored. Your donation is determined entirely by the last HW10 email you send prior to 9pm Tuesday November 28.

**Example:** If everyone donates 200 cents, then the average points will be 2, resulting in RPP (returned points per student) of 4. Each student earns a net profit of 2 points (giving up 2 and winning back 4—doubling your grade with no effort!).

**Mandatory Summary Report (Due 9pm Friday Dec 1)**

The results of the collective grade growth fund will be presented in class Wed Nov 29. All students, regardless of participation in the collective grade growth fund, must submit a report on the performance of the fund. Your report must include

- Summary of fund statistics (# participants; max, min, and avg donation; RPP)
- An explanation of fund performance in the context of Six Degrees Chapter 7. For example, how did the fund relate to collective decision-making and the tragedy of the commons? How did information externalities, coercive externalities, market externalities, and coordination externalities play a role (or not) in the performance of the fund?
- Your summary report is worth eight points and must be emailed to [behoppe@bu.edu](mailto:behoppe@bu.edu) no later than 9pm Friday Dec 1.

**Your summary report email MUST have a subject line in the following format:**

HW10 summary report by *last\_name*

**For example:** "HW10 summary report by Smith"