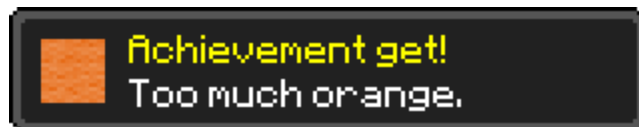


## Use Cases for HCI

- File Submission
  - i. Agents: Student
  - Purpose:
    - i. Grading platforms should be capable of collecting assignment submissions, timestamped and stored in a central location
  - Procedure:
    - i. Student visits authenticated landing page, which shows outstanding assignments for courses
    - ii. Clicking on the assignment goes to the assignment page, containing the project spec, an accessor for the most recent previously submitted file (if applicable), and a submission interface
    - iii. If a small number of files is to be submitted, simply dragging and dropping/upload dialog for each slot will work
    - iv. If a larger/unknown number of files is to be submitted, uploading a zip file will happen instead. If enabled, jGrader will unzip it and attempt to match the contents to any file-specific slots that may exist.
    - v. After uploading, the file submission slot will turn grey and show a confirmation message until the page is refreshed. (After refreshing, the previously submitted accessor will be shown)
- Excuse request
  - Agents:
    - i. Students
    - ii. Professor
    - iii. Registrar (not directly)
  - Purpose
    - i. Request being officially excused for a task
  - Procedure
    - i. Student visits authenticated landing page, which shows outstanding assignments for courses
    - ii. Clicking on an assignment navigates the student to the assignment page which (among other things) has a button to request an excuse for the specific assignment
    - iii. The student clicks a button to request an excuse for this task from the professor
    - iv. The task is marked as "EXCUSE PENDING" on the landing page
    - v. The professor is notified of the request via an email that is sent to them. This email includes a link to a page on Grader where he/she can confirm the extension request.
    - vi. (not directly in the system) the student sends a medical excuse to the registrar and waits for them to confirm it (to the professor).

- vii. The professor clicks on the link in the mail that was sent to him/her earlier
- viii. The professor lands on an (authenticated) page on jGrader where he/she can either confirm or deny the requests.
  - If the excuse was accepted by the registrar, the professor clicks the “Grant Excuse” button
  - If not, he/she clicks the “Deny Excuse” button
- ix. The student is notified via email if the excuse has been granted or denied.
- x. At the same time the excuse is marked appropriately on the landing page.
- Extension requests
  - Agents:
    - i. Students
    - ii. Professor
  - Purpose:
    - i. Student has an emergency and is not able to complete the assignment at time.
    - ii. He logs in to jGrader and sees the current timeline of tasks.
    - iii. He click on the assignment link which has a button to request an extension for the current assignment.
    - iv. He selects from a calendar view the available date when he can submit the solution and complete a message to motivate the extension.
    - v. The website shows him a confirmation that an email has been sent to the professor regarding the extension.
    - vi. The professor receives an email where he has 2 options either to approve/deny the extension request.
    - vii. The professor decides on approving/not approving and the student receives an email regarding the new time.
    - viii. The timeline of the student is changed accordingly.
- Achievements



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- Agents:
  - i. Students
  - ii. TAs
  - iii. Professor
- Purpose
  - i. Student gains achievements and gets a sense of accomplishment whenever a new achievement is unlocked
- Procedure

- i. Student performs an action on jGrader that deserves an achievement.
- ii. Students gets a nice animation with an achievement.
- iii. Achievement is added to profile