A1: Form Groups and Language Introduction (20 points)

Goal: Form groups and each group provides an overview/introduction of the language.

Group settings: 4 members per group strongly recommended. 5-member team must get prior approval from the instructor. Less than 3 members may be merged with another group or added with additional member(s).

Task 1: Group signups and language choice: On Canvas (People -> Language Group) groups are already created with the language name as the group name. Sign up to one of the groups based on your language preference. If your preferred group is full, move to your next choice. After the initial sign up, some adjustments/coordination may be performed by the instructor with consent to the group members.

Due date for sign up groups: see Canvas. (If you don't sign up by due date, you'll be assigned to a group.)

Notes: Strongly encourage that members stay in the same group for all group activities. One free-of-penalty group change opportunity will be given. No change of group allowed once capstone project starts. Change of group must be approved by the instructor, and for certain cases a small penalty may be applied.

Task 2: Introducing the group's language to the class in a 3-to-5 minute oral presentation. Each member of the group should speak, and presentation slides must be submitted on Canvas by due date (see Canvas.) The presentation should cover at least the following topics:
   (1) Introduction to the Group's language (e.g. history/origin, welcome to mention any interesting story associated with the language.)
   (2) Language's syntax definition
   Find a site with formal syntax/grammar description for your language (note: there may be multiple sites, try to find one official/trustable.)
       e.g. (Assume I'm the Java group), the site I found is:
       https://docs.oracle.com/javase/specs/jls/se13/html/index.html
   (3) A sample program showcase.
       Gain access to a compiler/interpreter of this language. Run a sample program written in your language. Note: For this activity, the sample program could be copied from any (online) resource, not necessarily written by the group members. You don't have to explain the code in detail, however, make sure it runs successfully.
Task 3: Evaluation of (assigned) group(s)
   Evaluation assignment and form will be available prior to presentation day.

Presentation Date: see Canvas lecture schedule and lecture meeting reminders.

Submission: Create a slides file (.pptx or .pdf) for Task 2, submit it on Canvas under A1 assignment. **Due date:** see Canvas activity assignment due date (usually by the end of your presentation day.)

Grading:

    (1) Presentation: 10 points -- clarity in content delivery, constructive code examples, and effective response to questions.

    (2) Slides: 3 points – quality of slides, timely submission.

    (3) Evaluation of other presentations: 4 points – thoughtful take aways and constructive feedback. Note: everyone in the group needs to evaluate 1 or 2 other groups. The score here represents the average/overall of group members' evaluation scores.

    (4) Team management: 3 points – all members on time for presentation, effective collaboration

Presentation Alternate Policy

        Every group will present Activity A1. Due to limited class meeting time, it is hard to cover all groups' presentation on a single class meeting. Therefore, for activities A2 through A5, either A groups or B groups will be designated as the evaluation groups, i.e. they only present in slides (no oral presentation). However, they will carry the task of questioning the presentation group, i.e. if C#-B is the evaluation group, during/after C#-A's presentation, members of C#-B group must ask at least 3 questions (or make comments). Alternate groups will be notified in advance and should prepare questions ahead of presentation time.

Attendance requirements

        Attendance is mandatory for everyone (both presentation and evaluation groups) on presentation days. Penalty applies to tardy or absence. If a member is absent, the group's presentation can present without the member (penalty taken on team management portion) or be swapped with its peer group (with consent to the peer group). However, every group must make 3 presentations during the semester (A1 + 2 from A2 through A4).

        Excused absences (such as attending important professional conferences, serious illness with doctor's notes) please make prior arrangement with the instructor. In case a member experiencing some emergency on a presentation day, it is the group's discretion to present with a penalty or be rescheduled.