# Float Moodle - First Round (Total 10 points, upto 3 bonus)

In this document, we'll tell you what we expect you to demonstrate in the first viva, scheduled on the 20th of October. This accounts for 10% of the course total.

The idea here is to get started by building the core of your tool, and figuring out a few crucial technical details. The hope is that once you have these requirements in place, you can use this platform to innovate, extend, and amaze us in the final presentation.

A general word regarding the logistics: **you are free to use any framework/technology you please, the decision is completely yours.** The only hard requirement is that the entire team should be able to set it up.

We recommend Django given your experience, but you can treat it just as a suggestion.

## Log-in and sign up (2 points)
You've done authentication before. Only an authenticated user should be able to access the relevant pages of your webapp. Users should be able to change their passwords, and edit some reasonable details in their profile.

## Assignments (Total 8 points)
Once registered and logged in, a user should be able to:
- Create an assignment (1 point)
- Access an assignment another user has created (via a code, or invitation), and make a file submission to it (2 points, 1 bonus if you allow via email invitation)
- View all the assignments they created, download all submissions, and upload feedback for submissions (say, with a csv file) (3 points)
- View feedback for assignments they **submitted**, if available (2 points)

Note that all this requires authentication, and you can't sneak past that by typing a route in the address bar! It isn't good if you can't ensure that, and you will lose credit if this doesn't work.

These are rough guidelines, and you are welcome to go beyond. 2 bonus points are reserved for that.

Bonus points you earn beyond 10 won't reflect immediately on your grade: however, we'll keep them in mind for the next round, and eventually, to break ties in the final grading. You needn't worry about the grading: you really will be motivated to go for it once you start enjoying the project.

**The Viva**

This interaction will take a few minutes (we'll soon inform you of more details) and you'll be required to share your screen and demonstrate the code you've written. We will also want to hear about how you plan to extend the foundation you've made.

We would like you to work cohesively as a team. Although it is impossible to ensure that everyone contributes precisely equal shares, delegate work fairly, playing to your respective strengths. During the viva, each member must talk about their contribution: whether it is code, or visualising and making concrete plans to take the project further.