

# Team Reflection Document - sddec25-10

## Reflection Questions

**1) Summarize your team's progress thus far. What major milestones have you accomplished?**

At this point, we have a website and database for our project that we run on the ISU servers. The major features that are implemented so far are:

1. being able to sign up for an account

Register to SmartClass ×

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Full Name

Username

Email Address

Password

I am a...

2. sign in to an account

Login to SmartClass ×

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Email

Password

Remember me

3. create either a teacher or student account

I am a...

- ✓ Select a role
- Student
- Professor

4. create a class as an instructor

Create a New Class ×

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Class Name

Subject

Class Description

[Create Class](#)

## example's Dashboard

[Create a Class](#)

### Example Class

Subject: PROFESSOR

Description: Course ID: 2 Course Code: vMgDYb

[View Class](#)

## 5. join a class as a student

### Join a Class ×

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Course ID

Class Code

[Join Class](#)

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**SmartClass** Student Dashboard [Logout](#)

## student's Dashboard [Join a Class](#)

**Example Class**  
Class Id: 2

[View Class](#)

There are more features we had working or are in development. The live chat feature is one we had working earlier, but no longer works due to a refactoring as to how classes are created. These features should be restored soon.

Getting the web server up and running was our first major milestone last semester. Since then we've been gradually adding new features every week. The next milestone will be a fully working prototype. This prototype should have all of the basic features outlined in our project documentation. We are currently working on this milestone and planning for the next ones after that, for example testing, fixing, and more features.

**2) Summarize the feedback you received from the faculty panel and others at the end of 4910.**

The feedback we received was mostly in regards to our documentation, presentation, and a few suggestions from faculty about how we can enhance certain aspects of our project. In our presentation, we should focus on not relying on the slides as much and to also project our voices more. For our design documents we should do a better job of properly maintaining what our graphics and mockups look like. The panel gave us two essential pieces of information for how we should proceed in developing our project. The first was adding functionality for group participation activities. The second was adding functionality for SSO through Globus.

**3) What did your team do well (e.g., technical design, working as a team, meeting user needs)?**

Throughout the semester we did a great job meeting assignment deadlines and keeping group members accountable. Towards the end of the semester our team started to implement more features in order to meet user needs and the requirements we set within our design document. We also generally communicated well with each other.

**4) What does your team need to improve upon in 4920?**

We did not communicate very well in the first semester. When new features were being worked on, we did not notify other team members to tell them what we were working on. This caused issues where multiple team members were working on the same thing. We also did not utilize gitlab issues or any form of feature tracking. This often made it difficult to choose what to work on next. Using gitlab issues would've also helped with seeing what others are working on.

A lot of issues also arose from our project management skills. We lacked a formal plan for specific features we wanted to implement. Instead of specific tasks needing to be done by specific deadlines, we picked a random feature to work on and get it done by the end of the week.

We should also work more on getting things done early so they can be tested more. Many times, we were slacking off until a couple days before a deadline. We were usually able to get the milestone finished, but it was not conducive to a healthy work schedule. Coupling this up with the lack of communication, there wasn't much opportunity to fix things if multiple people worked on the same feature.

### **5) What can your team do to improve upon these aspects?**

One of our main things we need to improve on is communication about the project. Last semester we had more of a “meet if we need to” schedule. This semester we plan to meet as a team to talk about our progress for the week and what we’re going to work on for the next week. Each meeting we will use this time to add more items to our issue boards to prepare for the next week.

We are also working on implementing the “issues” and “milestones” features in GitLab to help tell people what we are working on. This will ensure multiple people don’t implement the same feature. These also have deadlines on them to tell us when certain features will be finished.

## **Advisor meeting summary:**

During our advisor meeting, we talked about many features we are looking to implement in the future. We received details on how the features should work. We got clarification on features we already have implemented which require that we go back and change a few things.

The features we’re looking to add are uploading different file types for text, audio, pictures, and pdfs. These uploads should be allowed in live chats during class as well as postable in the forums. Audio for reading questions posted would also be useful to students in the back of the class or otherwise can’t hear the teacher.

We also discussed the general activities we should look forward to and plan for. This includes time for testing and bug fixing. We want to have a more interactive dialogue when working on this project to keep things moving along.

Our feedback also included using more pictures in our answers. We have already worked on some features and implemented them, we should show that off in this document. Our advisor wants to see things, not just be told about them.

## **Maruf’s Response Notes:**

Show the prototype and the features that are working in the first question.

We updated our meeting schedule this semester to make sure we all meet at least once a week to update each other on our progress and future plans.

Let Maruf know when the prototype is ready:

- Move on to testing
- Adding polish

### Required features:

- Teacher / student accounts
- Live chats
  - add text is working
  - Can maybe add / link to files?
    - Picture, audio, pdf
- Separate forum features for outside of live chats:
  - Have same abilities as live chats, but stored in separate place
- In class activities:
  - Quizzes, polls,
- Statistics:
  - Students who enter a response to a question
    - How many participated, who participated
    - This can be tracked for individual students or by question
  - Viewable by teachers and TAs
  - Advanced stuff:
    - Delphinium for class motivation
      - Tracks who is top of the class
      - Gives incentives (avatar changes)
- Audio for reading questions (accessibility)
- File types allowed:
  - Picture, audio, text, and pdf (required)
  - Common formats

### Bonus features:

- Group activities (students can make groups)
- Class sizes of 300-500
- Look up potential hosting services

Piazza resets to the top of the page while trying to type in a response

- Bad UI, fix this on Smart Class

# Updated Gantt chart:

