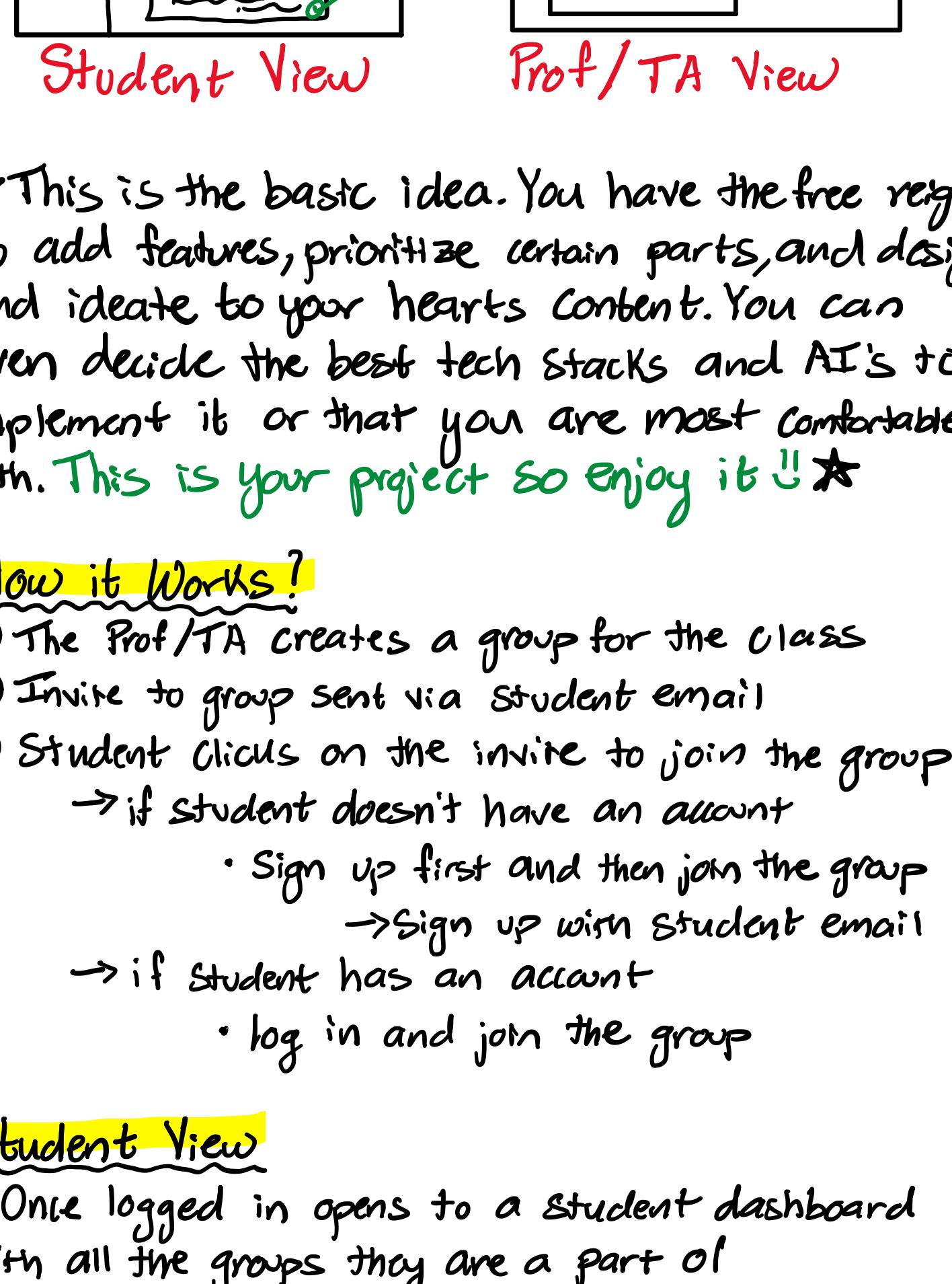


THE BASIC IDEA

D - Digital
I - Intake
Y - Yielding
A - Answers

DITA is a web app that not only aids in structured office hours for students, but course analytics for professors & TA's.



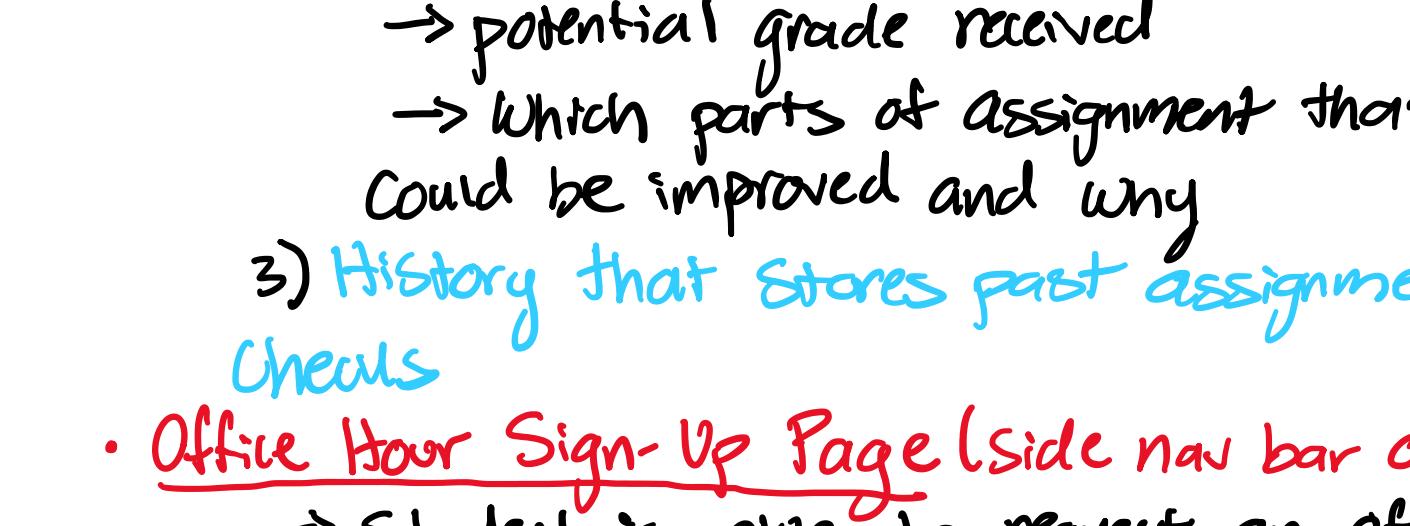
★ This is the basic idea. You have the free reign to add features, prioritize certain parts, and design and ideate to your hearts content. You can even decide the best tech stacks and AI's to implement it or that you are most comfortable with. This is your project so enjoy it!! ★

• How it Works?

- ① The Prof/TA creates a group for the class
- ② Invite to group sent via student email
- ③ Student clicks on the invite to join the group
 - if student doesn't have an account
 - Sign up first and then join the group
 - Sign up with Student email
 - if student has an account
 - log in and join the group

• Student View

- ① Once logged in opens to a student dashboard with all the groups they are a part of
 - if they have clicked an invite link a pop-up should appear on the dash asking if they want to join the group



→ if accepts the group should be added to dash

→ if rejects pop up closes and nothing happens

- ② Student clicks on group and it opens to the main forum page with a side nav bar with other page options for the student to use

• Forum Page (opening page)

→ almost a reddit style forum

Functionality Goals

- 1) Student should be able to post a question on the forum with either text or uploading an image
- 2) While the student types the post a duplicate search is performed against existing posts
 - Checks for similar posts
 - pop-up appears telling the user a similar post has already been made
 - asks the user if they would like to update the existing post or post their question anyways

- 3) Student is able to update an existing post

- 4) Student is able to keyword search the existing posts

- 5) Once a post is made an AI provides a potential answer and attaches it to the post

• Self-Grade Page (side nav bar option)

→ While waiting on forum student is able to self check work

Functionality Goals

- 1) Student is able to upload a provided assignment rubric and the work they have done so far
- 2) AI checks student work and provides an estimated grade report
 - potential grade received
 - which parts of assignment that could be improved and why

- 3) History that stores past assignment checks

• Office Hour Sign-Up Page (side nav bar option)

→ Student is able to request an office hour meet up with either the TA or professor outside of normal times

Functionality Goals

- 1) Student is able to submit a request
 - Fields:
 - Requesting Prof or TA?
 - What request is for?
 - Proposed Dates and Times?
 - : etc

- 2) Student receives an email confirmation if request submitted successfully

• Prof/TA View

- ① Once logged in opens to an admin dashboard with all the groups they are a part of

→ has an add a group option on dash to create new groups

- ② Admin clicks on group and it opens to the main forum page with a side nav bar with other page options for the admin to use

• Forum Page (opening page)

Functionality Goals

- 1) Admin is able to see the AI answers to the posts

→ Able to add a verified tag if they agree with the answer

→ Able to add additional comments and posts to the thread

→ Able to strike out the AI answer if it is wrong and provide the correct answer

• Analytics Page (side nav bar option)

1) Based on keyword analysis use AI to provide an analysis to the admin about the posts

→ most common types of questions

→ topics that may need to be revisited or explained

- : etc

• Office-Hour Requests Page (side nav bar option)

Functionality Goals

- 1) Admin is able to deny a request and provide alternative dates and times

- 2) Admin is able to accept the request and either set up an online meeting or an in person meeting

→ invite is sent to student

Via UTD email