IU Interactive Map

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Our Goal

Purpose:

● Create a single app to find out campus info
● Allow students to better manage their time

Concept:

● Put many features into a map that students can interact with
● Create a better solution for navigating campus as effectively as possible
Features

- See which dining halls are busy (wait times)
- Check room availability
- Estimate how long it will take for the bus to get to your stop
- Shortcuts

Additional features:

- Live event tracking
- “People congestion” toggle
Consultant (Alex)

- Two iu students (Reagan and Zach)
- Resume booster (events)
- Dining hall feature
- Bus feature (Reagan)
Consultant (Danny)

Ronaldo said that he was really interested in the dining hall waiting time function and that it would be useful to see how long it would take for a dining hall to clear up.

Gu also had a similar response to the InteractiveMap. He said that he struggled with finding empty seats at the library and that this would really make a difference.
Consultant (Vijay)

- Interviewed two present IU students.
- The idea of integrating Interactive maps into the Double Map app sounded very interesting as it would save a lot of time for students.

- Key Features
  - a) Time on the Bus routes
  - b) Dining Hall Features
  - c) Study room availability
- Received insights into the students perspectives on the two ideas
- Time-management is a huge problem faced by students which would improve significantly with the introduction of Interactive Maps.
Technology

- We could improve the bus tracking system to create estimated wait times for the different stops on campus.
- Use GPS tracking to find where the user is and where their destination is, to then calculate the fastest possible path to their destination.
- GPS tracking could also be used to show large groups of students in one area, as to show how crowded an area on campus is.
- RSVP function to different meetings on campus through the app will let club leaders know how many people to expect.
Languages

- For the app we could use Swift and Java, for iOS and Android respectively.
- These are the same languages as DoubleMaps now, so it would be easy to implement into the app.
- This is nice because are similar languages.
- GPS tracking through the app to our database to improve locations and better shortcut routes.