

Case Study

Due to the COVID pandemic, spring quarter 2022 may be the first time many students at UCI have ever been to in-person classes! Campus administration is anticipating that they may find it hard to make friends, form learning partnerships, and just connect with other students. In response to this, UCI administration, in partnership with the UCI Center for Student Wellness and Health Promotion (<https://studentwellness.uci.edu/> [_ \(https://studentwellness.uci.edu/\)](https://studentwellness.uci.edu/)), is launching an initiative designed to:

1. Facilitate student re-engagement with the community
2. Help students grow and learn in their current interests
3. Encourage students to explore new interests
4. Improve student mental health through enhanced social connectedness and personal growth

One of the focal points of this initiative is the development of a new mobile app, called *Anteater Groups*, whose functionality must support the above goals.

Informatics 113 is taking on the challenge to analyze and specify requirements for the Anteater Groups system. Some further details are provided in the descriptions below, but additional functionality is yet to be discussed. As such, the stakeholder needs outlined below for this system is by no means complete, but provide a starting point for further elicitation.

The directions taken depend entirely on the negotiations between the customer (your TA) and the development group (your student team). The eventual goal of this undertaking is a final system requirements specifications (SRS) at the end of the quarter, that accurately documents stakeholder needs. But along the way, you will also be developing various other requirements models. You as a developer will need to do your research. Research existing tools, both at UCI and beyond, find and read research about the dynamics of academic and social group formation, peruse the <https://studentwellness.uci.edu/> [_ \(https://studentwellness.uci.edu/\)](https://studentwellness.uci.edu/) website and similar websites about promoting mental health, and research any other relevant topics. Provide references to your research sources in submitted documents, where appropriate.

Anteater Groups Functionality Outline:

- Students shall be able to form groups around different subjects, e.g., academic subjects, classes, extracurricular subjects for the purposes of learning, social book groups, etc.
- The app shall facilitate full group management, including planning meetings and finding an area on campus to meet (both reservable and non-reservable locations)
- The app shall use student profiles to suggest to students groups and/or people to connect with

- There shall be a web-based subsystem to Anteater Groups, for use by the wellness center staff and campus administration. Basic functionality for this subsystem includes:
 - Reporting capabilities on usage, engagement, etc.
 - The ability to "police" app activity for abusive/inappropriate behavior
 - The ability to create and promote groups based on campus events/activities
 - The ability to offer and award incentives for students to participate in the community through the app