

Membership Program Overview

At MDB, we offer several tracks of membership depending on your interests. Members have the opportunity to explore many aspects of our organization, including development, teaching, and marketing.

DevCore

The DevCore is the heart of MDB. Members in DevCore work in teams of 3-5 fellow members to create their own mobile applications. MDB provides its teams with an Agile-based development cycle that takes them through the design, implementation, and launch of their product. At the end of the cycle, teams will have the opportunity to present their application to a panel of industry professionals and to the entire campus community through pitches and the App Fair.

Benefits

- Opportunity to work on an idea that you are passionate about
- Stronger project portfolio and valuable resume experience
- Improve your abilities to design and develop
- Eligibility for grant money for marketing and advertising your application

Contract

Contract teams are the money makers of MDB. The contract team is small, including 1 or 2 PM/Architects and a couple developers. On this team, members are responsible for getting a full business solution completed for the client (in the form of a mobile app, UX research, web supplement, etc.).

Benefits

- Opportunity to make money for MDB.
- Real industry level experience.
- Greatly increasing your skills as a developer.

Web

The web team, although not the core of the club, provides members of MDB with the chance to take a break from mobile development and learn something new. This team includes 1 team head, who Project Manages and Architects the team's final deliverable and is responsible for

running a mini training program for the web team members in order to get them up to speed with general web/cloud practices.

Benefits:

- Opportunity to learn AngularJS, NodeJS, HTML, CSS, JS, and Heroku Cloud Development.
- To contribute to a final product for the web team, which helps MDB in terms of marketing or internal affairs.

Marketing

The marketing committee is open to members who have completed at least one semester in MDB. Members in the marketing committee are responsible for growing MDB's network of industry professionals and improving the brand of the organization. Occasionally, the marketing committee will also have the opportunity to work on smaller consulting contracts, which can come in one of two forms: business-related proposals OR UI/UX design of an entire application.

Benefits:

- Greater exposure to industry professionals and outside clients
- Lower time commitment OUTSIDE of required meetings
- Explore the business side of mobile and potentially improve design abilities

Exploration

The exploration program is designed for members who have contributed significantly to the MDB organization and would like to conduct an interesting project of their own without the heavy time commitment of creating a mobile application. The exploration program is open to members who have completed at least two semesters in MDB.

Members in this program create a proposal for an independent project in one of MDB's focus areas: front-end, back-end, UI/UX design, and business. From there, members have the entire semester to complete their proposed deliverables.

Examples of potential projects:

- Front-end: Create a library that allows you to implement buttons in TableView cells easier
- Back-end: Create a library that allows you to query Firebase tables like a relational database
- UI/UX: Conduct a workshop series on Photoshop
- Business: Propose an entire business plan for one of MDB's mobile applications

Benefits

- Lower time commitment and attendance requirements
- Explore an idea that you are passionate about

Training Program

The training program is mandatory for first semester members and optional for anyone else. Members choose a platform, either Android or iOS, and spend 6 weeks mastering development for that platform. Topics you will learn include layouts (both basic and dynamic), UI design, backend databases (we use Firebase), using APIs, and more. Every week you will learn a new topic and your understanding is enhanced by a mini-project covering that topic. There will be a midway and final assessment, each for us to get an understanding of each of your progress. At the end of the training program, you will go through a sped up DevCore process in which you design, develop, and launch a small scale application in groups before the end of the semester.

Benefits

- You will become very proficient in Android or iOS with our refined curriculum and content
- Senior Developers and Instructors hold office hours weekly to answer any questions
- You will have an application on the App Store or Google Play by the end of the semester
- Every team is assigned a mentor to provide assistance at any part of the development process