

- Project Name: **Uncle Buck**
- All Team Member names
  - **Mi Yon Kim**
  - **Tom Lancaster**
  - **Patrick Rademacher**
  - **Chad Tolleson**
- Project Overview: What will your project do? What function will it serve?  
**Our project is to create a full-stack application tool to help people plan for financial independence (FI) or being able to retire early on a passive income. The tool will be a calculator that will consider an individual's age, income/revenues, expenses, spending rate, savings rate, and target FI date amongst other financial considerations. In addition to the calculator, the app will (hopefully) have a forum for people to share their FI tips and experience and some YouTube videos explaining ways to achieve FI.**
- Project Technologies: what do you expect to use to build it? Languages, libraries, etc
  - **Back end: Python/Java**
  - **Front end: HTML/CSS/React**
- Related Work: what is already out there that is comparable to what you are proposing? (open source and commercial)
  - <https://www.firecalc.com/>: commercial
  - <http://www.cfiresim.com/>: open source
- Three-week plan to get to a runnable pre-alpha version
  - **Week 1**
    - **Research formula needed to create our desired outputs of the total amount of money needed between now and the FI target, the monthly amount of money needed and the amount of time it will take to achieve FI**
    - **Review other similar programs to figure out a good UX design**
  - **Week 2**
    - **Write a simple back end program using the formula above**
    - **Create a plain front end website**
    - **Establish a connection between back end and front end**
  - **Week 3**
    - **Spruce up the front end**
    - **Add visually appealing graphs for user**

- **Add more details to the calculation**

- Issues and concerns
  - **Lack of domain knowledge (Financial Independence)**
  - **Poor UX experience like the other websites**