

## **Scenarios**

Zachery:

- Jim is an undergraduate student in the College of Computing and Informatics. He is in his junior year of the bachelor's program, now starting to focus on major-related courses. His overall career goal of becoming a data scientist but is still unsure of how to structure his learning and extracurricular activities to achieve this. Jim logs into the milestone planner app by setting his aspiration: "Become a data scientist." Based on his goal, the system automatically suggests relevant skills like Python, machine learning, and data visualization.
- Jim is prompted to input his current skill level in each area. Over the next few weeks, the system monitors his progress in courses, projects, and personal learning. It updates his milestones. The planner also gives reminders and advice based on his personalized learning journey.
- This system enables Jim to spend less time organizing and more time working toward his goal, with personalized suggestions evolving as he progresses.

Andrew:

- Tyler is a faculty/staff member at the UNC Charlotte Career Center. He works daily with undergraduate students helping them with building up the necessary skills to try and get an internship. Tyler uses SkillSync to analyze the students current skills before the appointment. This helps Tyler plus the student by providing full time for the appointment and not the first 20 mins just trying to understand the student.
- Tyler can simply look up the students name on SkillSync and view that students completed skills, incomplete skills, currently working on, etc.

Amith:

- Jill is an undergraduate student currently enrolled in the UNC Charlotte college of computing and informatics. She is currently enrolled in classes up to the junior level that are required by UNCC. Along with learning and completing coursework, Jill must stand out to employers from other students by creating side-projects. During this process, Jill uses the software to break down her workload into specific tasks she must learn/complete in order to make the process mentally easier. Jill gives the software her current skill set in relation to computer science. Once the program gets the information it requires, it will show her the skills/tasks she must learn/complete to complete her project.

Aiden:

- Alex is a senior engineering student who is focused on securing a job after graduation but feels uncertain whether his current skills match what the industry wants. He needs a way to assess and enhance his skills to stand out. One day, he finds "SkillSync," which is designed to help students compare their skills with the ones they need to have in their desired field. Alex creates an account and selects Mechanical Engineering as his target career path. SkillSync then displays a list of industry skills and specialized knowledge required for this job. After Alex enters his current skills, it provides him with an analysis of his strengths and areas he needs to improve on. SkillSync also suggests resources like online courses and workshops to help him build his resume. He uses SkillSync to set milestones and track his progress as he develops the skills he needs to stand out.

## **User stories**

Zachery:

- As a second-year undergraduate student, I need a milestone planner to break down my career goal of becoming a data scientist into manageable tasks and milestones, so that I can effectively allocate time between coursework and skill development leading to my career.

Andrew:

- As a faculty/staff member at the UNC Charlotte Career Center, I need an application where all students have accounts pre-installed with their student ID to where I can view their skills when needed such as having appointments. I can then see who I have next for an appointment and I can analyze their current path before they arrive so that we can spend most of the time just providing what the student needs.

Amith:

- As an undergraduate student, I want to be able to figure out what skills are required for me to complete specific tasks in relation to computer science projects. This would my life easier as instead of researching the required “knowledge” of a project, I can use this software to display the necessary skills for a goal and then get straight to completing the project at hand.

Aiden:

- As a senior engineering student, I want to use a tool like Skillsync to compare my current skills with the industry requirements. This is so I can identify the gaps and develop the skills necessary to stand out to employers and pursue a career in my desired field. All of this will make my process of landing a job easier than ever, without realizing too late that I need a specific skill set.

## **Feature list**

- **AI API integration**
- **User input**
- **Skill tree view**
- **Registered users**
- **Database**
- **Personalized results**
- **Viewable user interface**