4-1 Journal: Career Choice and Artifact Update

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CS-499: Computer Science Capstone

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4-1 Journal

Part One: Career Development Reflection

1. Have you changed your career plans? If so, what prompted this change? If not, why have you remained with your original plan**?**

My career goals have remained focused on becoming a software developer, specifically in mobile and web application development. The WeightTracker app I developed in CS-360 (Mobile Architecture and Programming) reinforced my passion for creating user-friendly applications that solve real-world problems. This project confirmed my interest in front-end and mobile development rather than backend or database-focused roles.

2. How has your thinking about your career evolved**?**

While I initially approached software development from a purely technical perspective, my experience building the WeightTracker app shifted my focus toward user experience and practical functionality. I now prioritize creating applications that are not only efficient but also intuitive and impactful for end-users. This evolution reflects a more mature understanding of how technology serves people, not just systems.

3. Have you completed any research about your choice of career? How has this impacted your thinking? Have you thought about seeking an advanced degree or certification after earning your undergraduate degree?

Research into mobile development careers has shown strong demand for Kotlin/Java developers and cross-platform frameworks like Flutter. This aligns perfectly with my WeightTracker project experience. I'm considering Android developer certification post-

graduation rather than immediate graduate studies, as hands-on experience currently seems more valuable for my career path.

4. Which course outcomes have you achieved so far, and which ones remain**?**

Through the WeightTracker project, I've achieved:

- Mobile application architecture design

- User interface implementation

- Local data persistence

Remaining outcomes include:

- Advanced state management

- Comprehensive testing suites

- Performance optimization

Part Two: ePortfolio Status Update

Checkpoint	Software Design and Engineering	Algorithms and Data Structures	Databases

Name of Artifact Used	WeightTracker Mobile Application	Calorie Calculation Algorithm	User Data Storage System
Status of Initial Enhancement	Core functionality implemented	Base algorithm complete	SQLite integration working
Submission Status	Ready for UX/UI review	Needs edge case testing	Ready for optimization feedback
Status of Final Enhancement	Needs theme/skin system	Requires performance benchmarking	Needs backup implementation
Uploaded to ePortfolio	Demo video posted	Pseudocode documentation uploaded	Scheme diagrams included
Status of Finalized ePortfolio	Target completion June 18th	Target completion June 20	Target completion June 22