

ENSE 400 Capstone Student Project Introductions

Prime Software
Jinkai Fan, Mckenzie Busenius, Jiahao Li
Sept 27, 2019



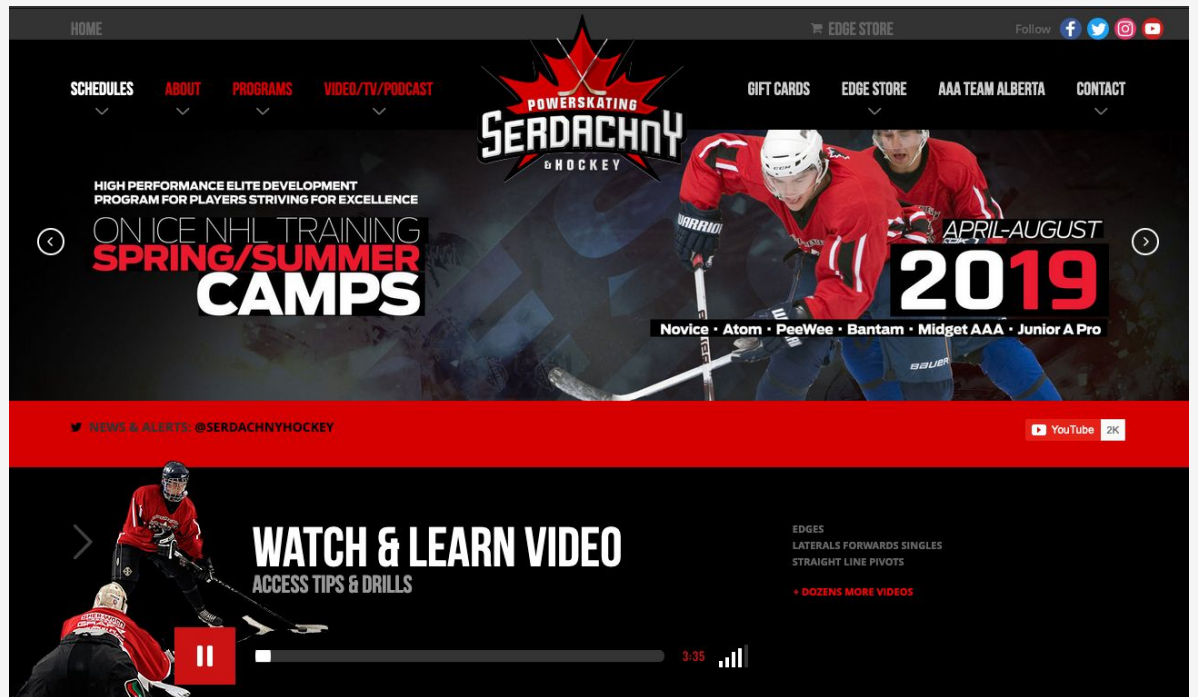
Initial system & functional requirements

- **What our group is doing**

- Serdachny Power Skating Mobile APP
- A new innovation
- Complete system, with an App frontend and multimedia backend

- **Assumptions and envisioned constraints**

- Client data security
 - Keeping clients private information secure
- Backup of client data
 - Keeping the training data accessible in the case of server failure
- Time
 - Being able to complete the app with proper testing



Initial system & functional requirements

- **Project vision**
 - complete training platform:
 - Skating performance testing
 - Skating analytics
 - Media data
- **Project rationale**
 - Automate fundamental client relations
 - in constant updating of training data
 - add other abstractions
- **Envisioned stakeholders**
 - Hockey members (learning)
 - New customers (enrollment)
 - Administrator (management)

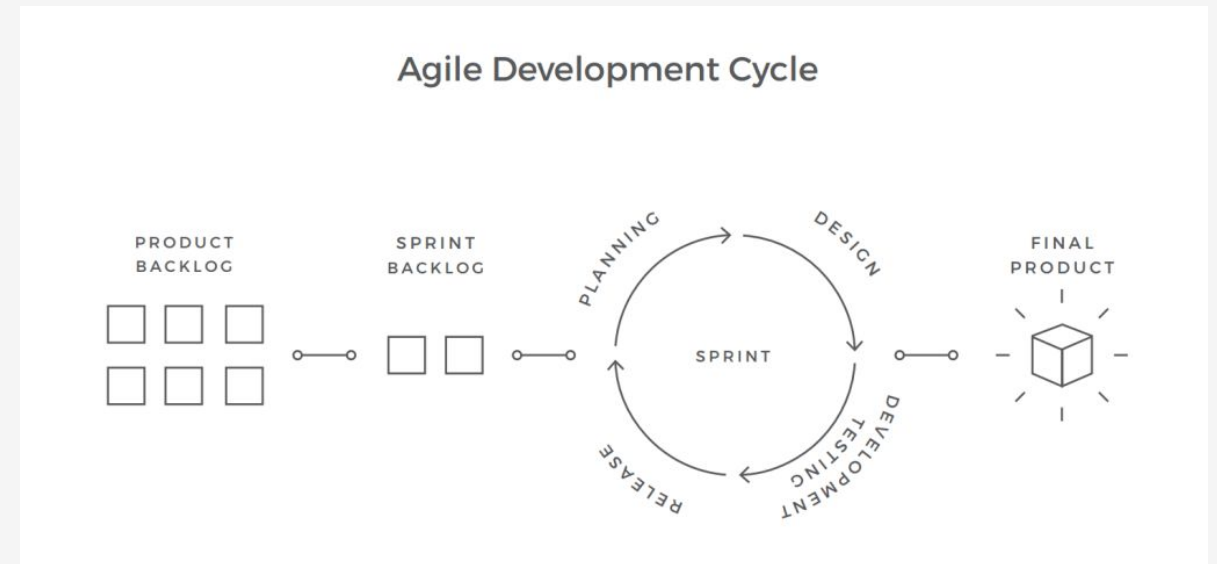
SERDACHNY HOCKEY OFFERS ADVANCED POWER SKATING AND HOCKEY CAMPS AROUND THE WORLD



Project management & assorted deats

What processes or technologies does your team envision using to help design and develop your project

- High-level architecture
 - Agile
- Technologies may be used
 - *macOS*/Windows
 - *Xcode*/Android Studio
 - *iPhone*/Android Phone
 - AI
 - AWS
- Low-level architecture (e.g. MVC, microservices, etc.)
 - Balsamiq
 - MVP
- Programming languages (front/back end)
 - *Swift (iOS)*
 - JAVA (Android)
 - *PHP, MySQL*
- Testing software (Not sure yet)
 - XCTest
 - ES6 JavaScript



Group reflection

- **What do you hope to get out of the Capstone class experience?**
 - Teamwork experiences. Comments/suggestion from class.
- **Specifically – What did you hope to learn over the duration of ENSE 400/477?**
 - I hope to learn about how to actually build an APP, and how it can be implemented to real life.
- **Do you envision any barriers to your success over the duration of ENSE 400/477?**
 - The difficulty to learn a new programming language – Swift
 - Bugs/Debugging processes
 - Different opinions

Student colleague Q/A

Any questions/advices?

Reference

Serdachny Power Skating, <https://www.elitepowerskating.com/>

Technical document,
<https://www.altexsoft.com/blog/business/technical-documentation-in-software-development-types-best-practices-and-tools/>