

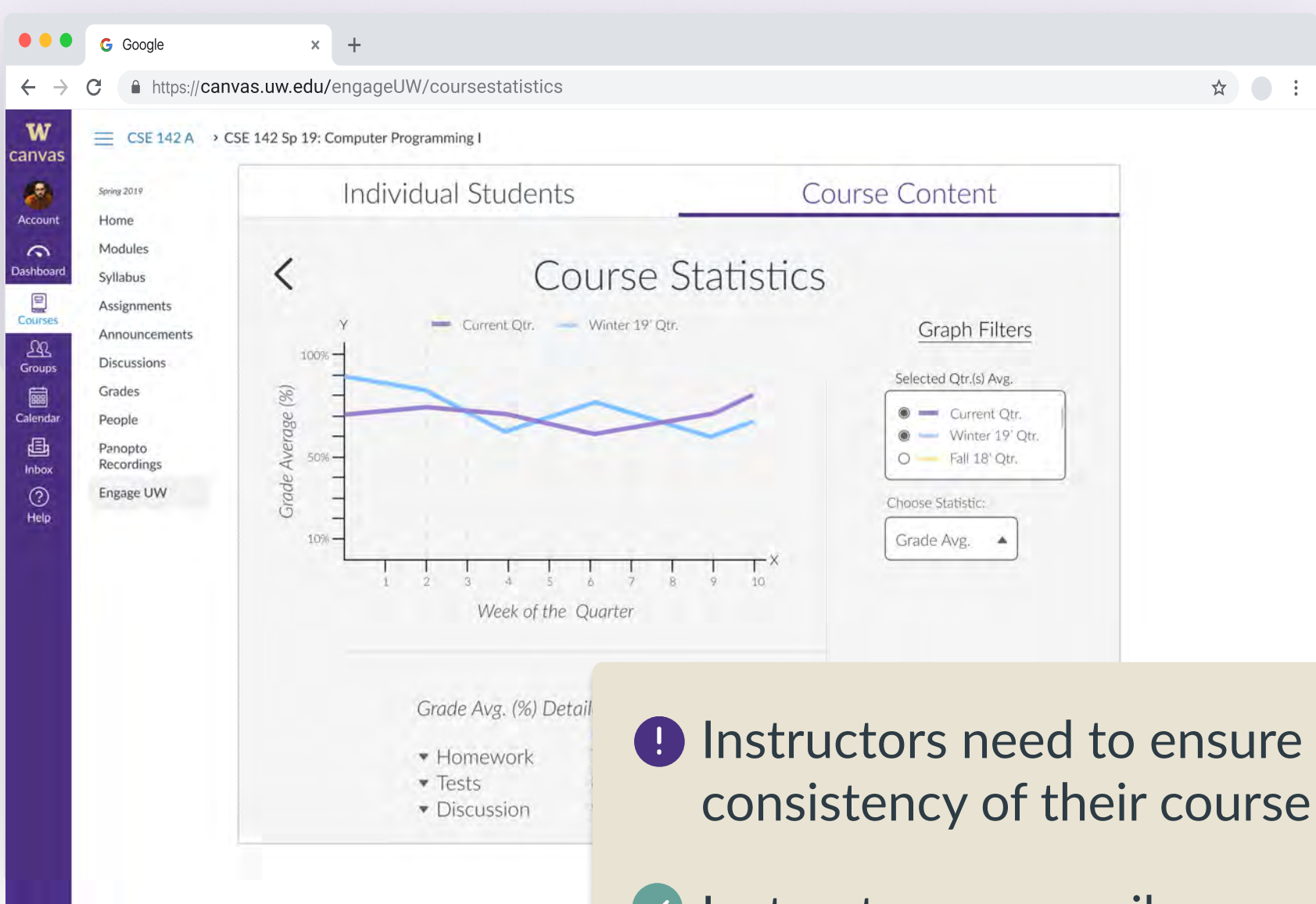
Centralized e-learning analytics to enhance and simplify engaging with students and designing courses

Serving a wide range of students, the University of Washington Continuum College wants to understand the best way to gather and analyze e-learning data to support instructors and students.

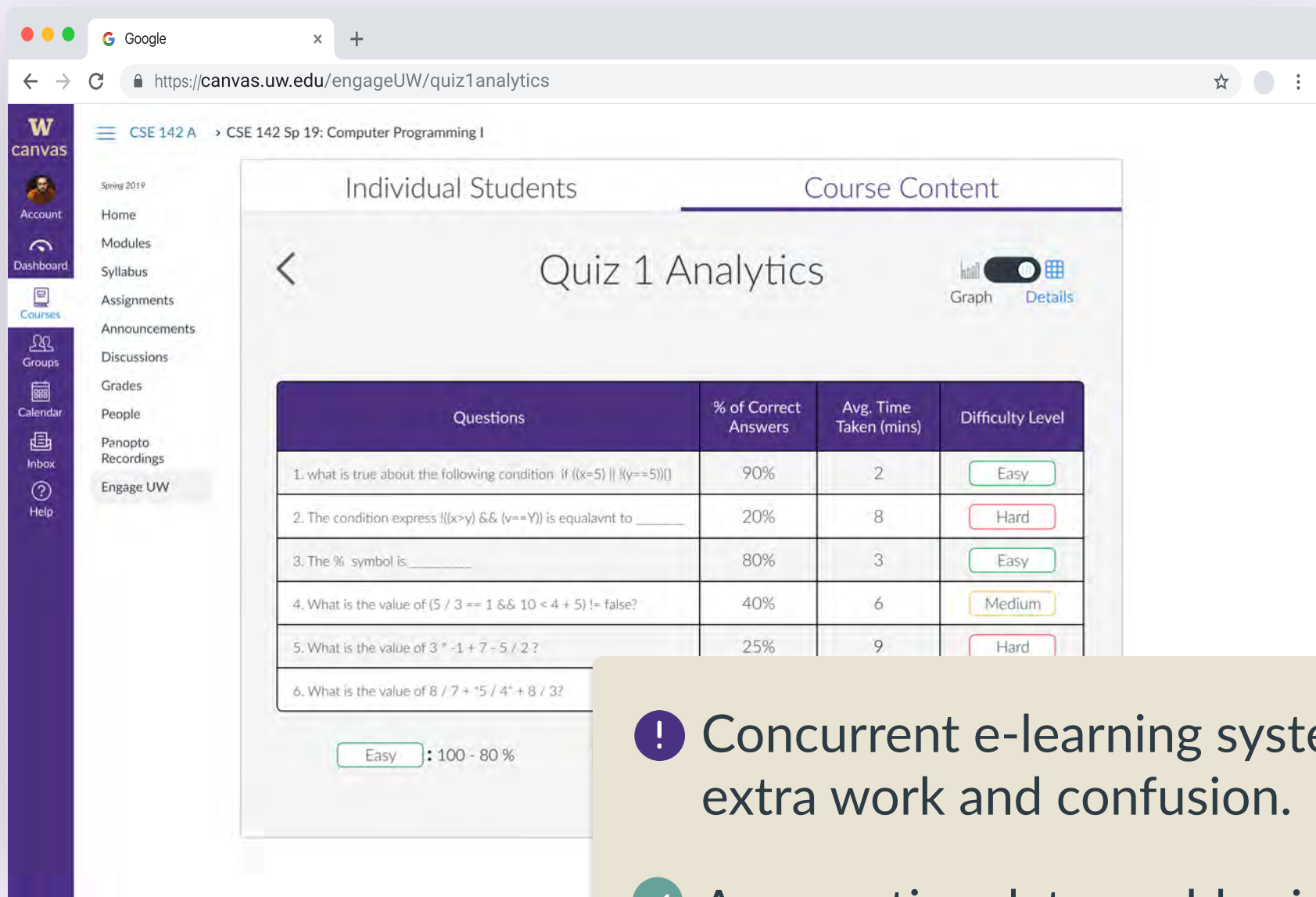
Instructors want to meet each individual student's abilities and needs. Currently, valuable data which could help them do so is available, but is not being displayed to instructors in a meaningful way.

EngageUW is an application embedded within Canvas to streamline the experience of UW instructors. Our add-on allows instructors to track individual student's data and view their class standings as a whole. It is a **seamless process** where instructors can enhance their course to better **suit the needs of their students**.

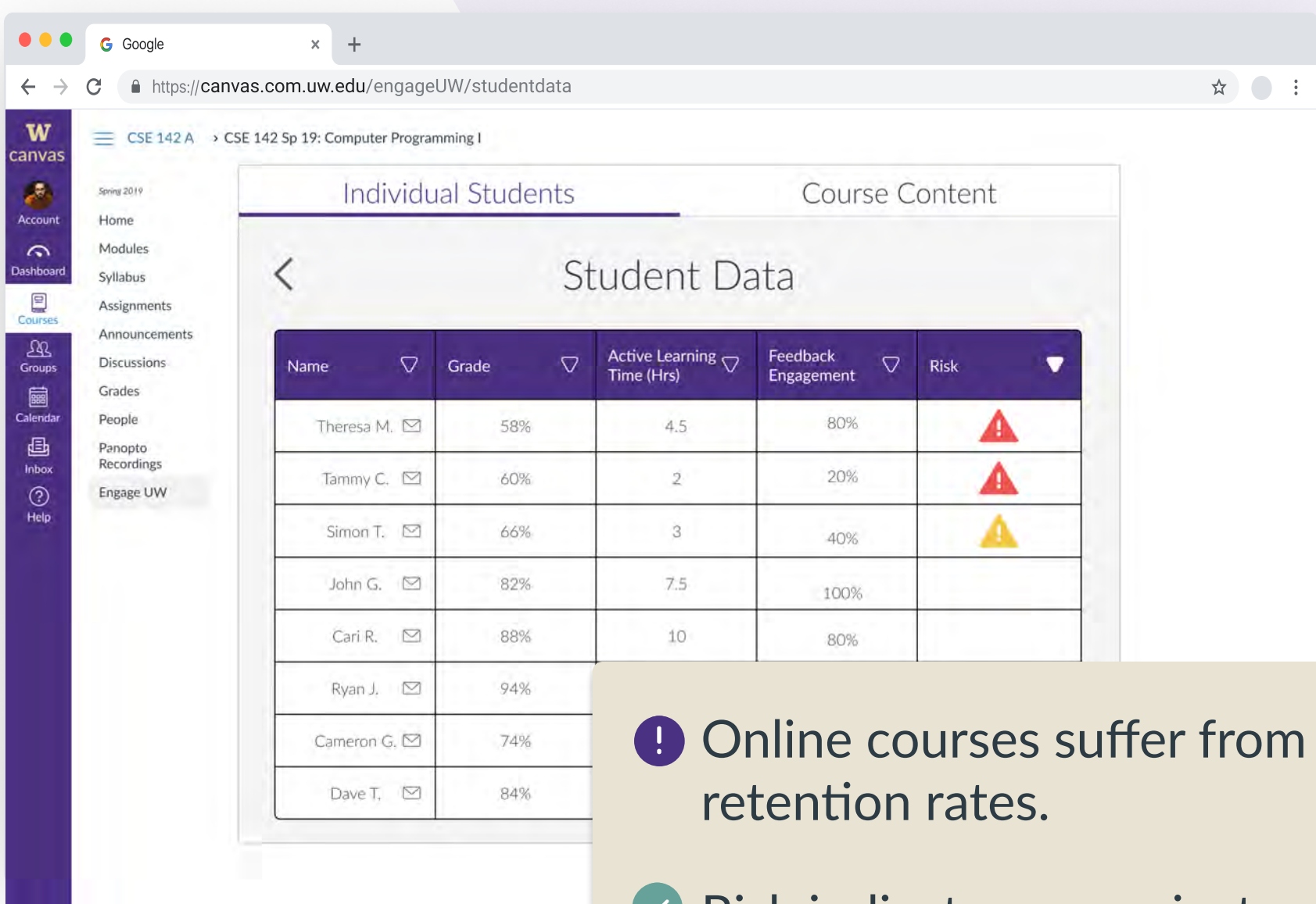
"I really hope this becomes a tool I can use in the future" - UW Instructor



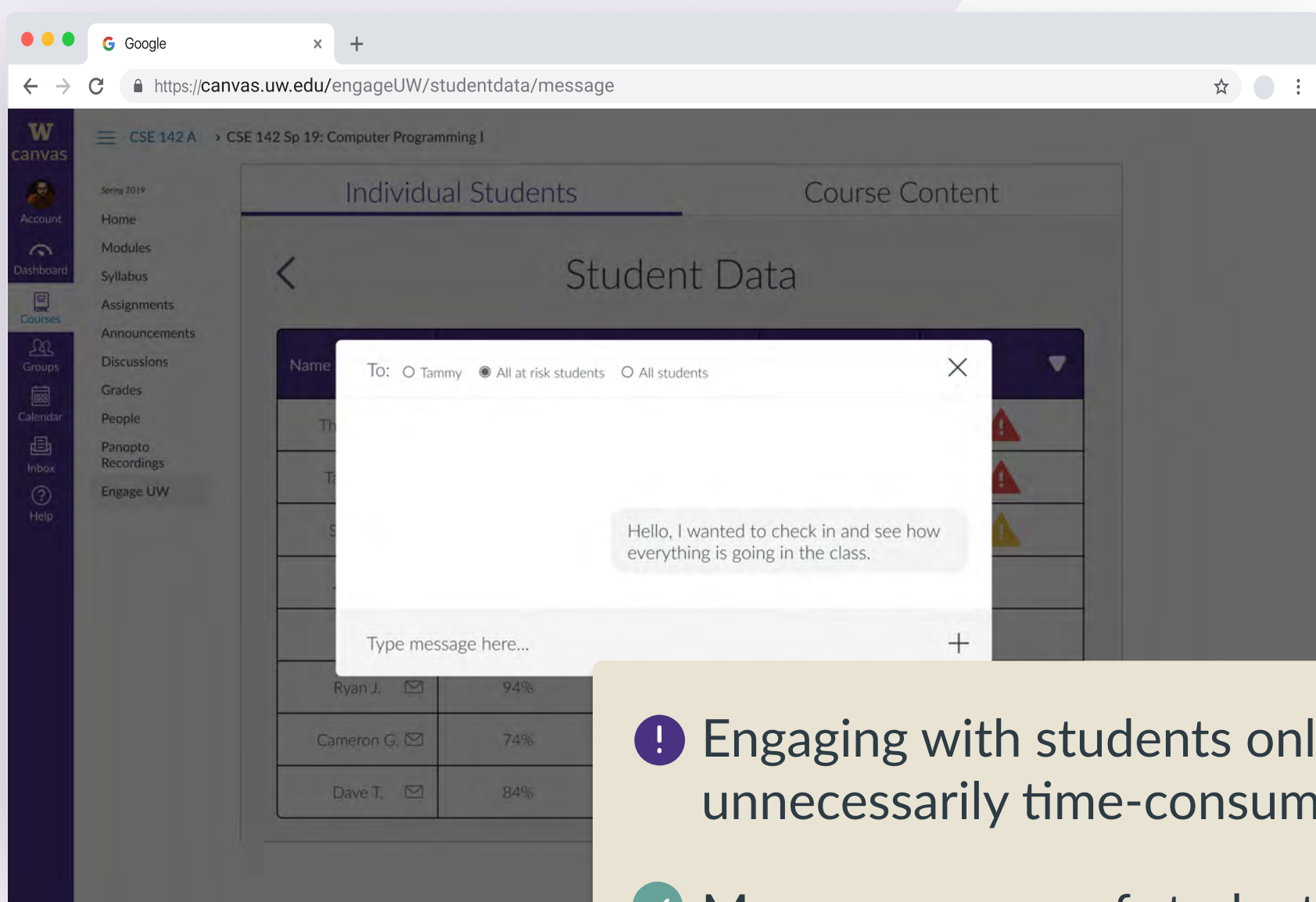
- ! Instructors need to ensure the consistency of their course offerings.
- ✓ Instructors can easily compare their current courses to past offerings.



- ! Concurrent e-learning systems create extra work and confusion.
- ✓ Aggregating data enables instructors to view everything in one place.



- ! Online courses suffer from low retention rates.
- ✓ Risk indicators warn instructors of students who may drop the course.



- ! Engaging with students online is unnecessarily time-consuming.
- ✓ Message groups of students based on risk status and other criteria.

User Research

- Focused on two user groups: instructors and students
- Interview series with UW instructors
- Online survey of UW students to collect data-usage sentiments

Ideation

- Narrowed user group focus to UW instructors
- Designed personas to show range of user experiences
- Created storyboards to represent user stories

Prototyping

- Created paper prototypes and annotated wireframes
- Early usability testing with paper prototypes
- Created interactive prototype using Figma

Testing

- Series of usability test sessions with UW instructors
- Refined prototype based on usability findings
- Developed design recommendations for UW Continuum College



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