Group Members:
David Knight
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CS 349 Assignment 4 Proposal

For our assignment, we would like to create a widget that will look at your current term of courses, and figure out exactly when you have to leave assuming you travel via bus, car, walking or cycling, and similarly when you'll get back (by bus, car, walking, cycling etc). We would like to use UW academic data provided after logging into CAS to tell us what courses you're taking and to tell us what times those courses run at, then we will use Bing Maps APIs to get directions, and we could even use a service to get the current location (likely only on mobile, since most desktop computers don't have a GPS built in) to set it as your home address. This may or may not sound daunting, but we believe it would be a good project for both of us because neither of us have any web development experience at all.

The challenging parts of this project will be learning how to develop for Web, using the uwaterloo apis as well as learning how to use Bing Maps, as well as displaying a lot of data in a small space (as you can see from the mock-up on the next page, we haven't figured out even this yet).

As well, as far as the proposal requirements go, we believe we meet most of them. One concern we have is that if we use current location, we would transmit that to Bing Maps, and that might violate the requirement to not transmit "user data".

Please let us know if this is a suitable project.

Thank you,

Michael and David Knight

Sketch of widget shown on next page.

School Directions Widget v1.0

Term selected: 1141 (Winter 2014)

Select course:

CS 349
1:30-2:30
MWF

CS 350
10:00-11:20
MWF

MATH 239 (Tut.)
2:30-3:20
Thursday

MATH 239
11:30-12:20
MWF

Select mode of transportation:

Walk   Drive   Bus   Bicycle

Request directions for:

Getting there   Getting back

What is the address you'd like to use?

395 Erb Street W, Waterloo, ON

GO!

Directions:

2.4 km, 28 min walking

A   395 Erb St W, Waterloo, ON N2L 1W7, Canada

Depart RR-9 / Erb St W toward Roosevelt Ave

1.0 km
Turn left onto RR-57 / University Ave W

0.6 km
Bear left onto RR-57 W / University Ave W

0.7 km
Turn left onto Ring Rd
ⓘ Private Road

28 m
Arrive at University of Waterloo, ON
The last intersection is RR-57 W / University Ave W

B   University of Waterloo, ON