
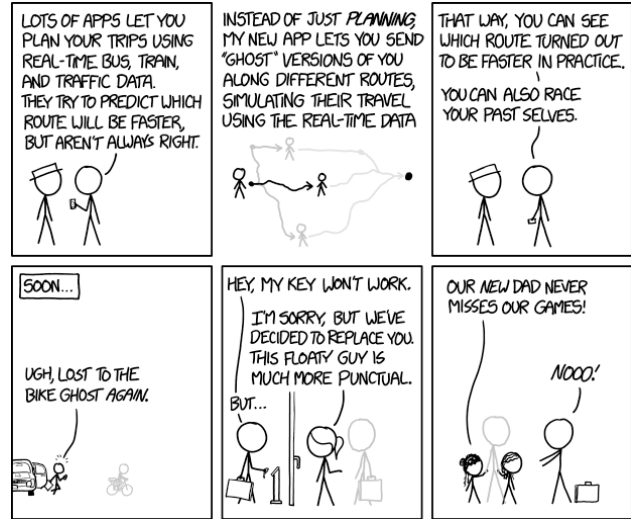


## SE 3821 Assignment 2 (Hasker's Section)

See Blackboard for the point value and due date.

Commuters of all types would like to find the best way to get to their destination reliably. Most phone apps for commuters are based on predicting routes, we would like an app that tracks times and routes of commutes to work out the best route for each time of day, somewhat similar to the suggestion in <http://xkcd.com/1580/>. The app should use weather to refine the prediction as well as information from other subscribers who travel similar routes. Additionally, the app should collect information about your mood when you arrive (how tense you are, etc.), possibly using your heart

rate monitor or [mood ring](#)  to capture this information.



Working with an optional single partner, develop a work context diagram as shown on p. 42 of your textbook. Pick two of the more significant business events from this diagram and draw business use case diagrams as shown on pp. 73-75 of your textbook.

For all diagrams, use the notation discussed in class, identifying adjacent systems & users, the work boundary, activities, and stored items. Note that all but the work boundary needs an identifying name. In addition, give a one-line description of any adjacent systems, users, and activities. You would not always add these descriptions – context may be sufficient on many projects – but in this case your instructor may not share your context. For the stored items, list the components of each data store as known at the time you create your diagram.

Either draw your diagram by hand reasonably neatly or use a tool such as Visio to create your diagram. Type up your descriptions. If you chose to work with another person, make sure both names are on each item. Submit all work to Blackboard as one or more PDFs. You can use a camera to capture your hand-drawn diagrams, just make sure the details are legible. When working in pairs, each student is to individually submit his or her solution in Blackboard.

Especially nice solutions or solutions that add creative, useful features may be eligible for extra credit.