

CS305/828 201330
Midterm Exam – D. Hepting
October 21, 2014
14h30-15h45, CL251

Answer everything in the exam booklet. If you are unclear about anything, please note your assumptions with your answer. Remember: quality, not quantity. Good luck.

Part 1 (2 marks each, 10 marks). Define each of the following in the context of the class.

1. Why is it (more) difficult to answer a question like “What are the last 4 digits of your student number”?
2. What would you say to someone who has planned some analytical evaluations of her interface design under development?
3. How does *consistency* impact the usability and your experience of using piazza?
4. How do you understand Raskin’s law that “the user shall do no more work than absolutely necessary?”
5. In what 2 ways can one assess the conceptual distance between a user and a computer created by a particular software interface?

Part 2 (20 marks). Evaluate the following interface (see over) using the different ways we have considered. What do you find?

This is the interface that an adult (likely a parent or a teacher who may coach a team) would see when they go to register a team. Before reaching this screen, the coach, who has created an account on the FIRST (For Inspiration and Recognition of Science and Technology) website, is asked to choose a role with the new team (Coach or Purchaser). In this example, you see that this person has chosen the role of Purchaser. If the person creating the team would like to coach the team (and choose that role), he or she would be given the chance to initiate a background check (as part of FIRST’s Youth Protection Program (YPP), each team must have 2 adult coaches who have passed an online background check) or to continue to the team creation screen shown. Coaches do not need any technical background, because the team members (kids aged 9-14) are meant to do all the work. Coaches are well-supported by FIRST and have lots of resources.

The screenshot, printed on the other side of this page, is missing some of the colouring from the website and 2 icons: where it provides the key to complete and incomplete information, you should see a checkmark and an x. The x icon is seen elsewhere on the form.



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Team Summary

[Edit My Profile](#) | [Log Out](#) | [Ask A Question](#)

Team: 201417825 Temporary Team Number
 Team Name: Not Specified

Required Registration Areas to Complete: [Team Profile](#) [Registration](#)
 Welcome to the Team Summary page. This page shows you the status of your registration and allows you to maintain the information we have about your team.

[What's New](#)
 Something somewhere...

Key complete = incomplete =

Team Profile Open May 05, 2014 Noon EDT - Apr 15, 2015 Noon EDT

Teams can pay for registration as long as the Team Information and Organizations sections are complete. The Team Contacts section does not need to be complete in order to pay for registration.

Required Information	Summary	Status		Action
		Data	YPP (Passed)	
Team Information	Team Name: (Team Name Not Specified) Location: , SK Canada Rookie Season: 2014 Primary Region: Secondary Region:	X		Edit/View
Organizations (Sponsors & Schools)	Organizations:	X		(Must complete Team Information section first)
Team Contacts	Main (Lead Coach 1) Contact:	X	X What does this mean?	Edit/View
	Alternate (Lead Coach 2) Contact:	X	X What does this mean?	
	Purchaser Contact: Daryl Hepting			
Profile Status	Please validate the information provided in this Team Profile is accurate.	X		

Payment Open May 01, 2014 Noon EDT - Oct 30, 2014 Noon EDT [Back to top](#)

Program Registration Now Full

Required Information	Summary	Status	Action
Program Fee	You must select a primary region for the team (see Team Information above) before you can register.	X	

Events Open May 01, 2014 Noon EDT - Apr 15, 2015 Noon EDT [Back to top](#)

Required Information	Summary	Status	Action
Event Registration is closed because the Team Profile is not yet complete			
Event Applications	No Events Found.	X	

Product Ordering Open Jun 02, 2014 Noon EDT - Apr 15, 2015 Noon EDT [Back to top](#)

Access to the Product Ordering is restricted to Main (Lead Coach 1) and Alternate (Lead Coach 2) Contacts, and is available only after both have passed YPP screening.

Team Roster Open May 05, 2014 Noon EDT - Apr 15, 2015 Noon EDT [Back to top](#)

FIRST requires youth team members to register and complete the consent and release form to attend events. To start the registration process, please click on "invite parents" below and enter the parent email address. The parent will receive an automated email detailing how to register their child. Once the parent has completed registration, you will receive a notice that the child has applied to the team. Click accept, and the child's information should appear under "Youth Team Members" section below. Remember, you must bring a copy of the team roster with you to events. All team members must complete registration and consent and release to be listed on your team roster and attend the event.

Team Members must be 8 years old by January 1st of the current season, and no older than 14 as of January 1st.

Required Information	Summary	Status	Action
Access to this section is restricted to Main (Lead Coach 1) and Alternate (Lead Coach 2) Contacts.			