

PROJECT KICKOFF

CSSE 120—Rose Hulman Institute of Technology

Project: RobotFollower

- Robot GUI and Communication
- Idea is to communicate motion between line-following robots so they don't crash
- Single-robot demo now

Project process

- We will begin the project today
- Due: presentations will be done in Session 20 (Tuesday after the break, Oct 20)
- Milestones each day along the way
- Today in class: Planning, and deciding what you will have done for each class day
- Get a lot done before Monday! It's your only on-campus weekend to work on this project

- Exam 2 is Thursday, Oct 22, 7:00 PM

Interaction with your project team

- **Brainstorm**

- What to do

- What not to do

Working with your project team

- Use good practices of **pair-programming**, but with two navigators.
- Have one navigator double as a *facilitator* to make sure the team **stays on task**.
- **Rotate** who drives (types the code)
- Give driving **preference** to those with less programming experience, so they can set the pace
- **Encourage the driver**
- **Make sure** the navigators understand the code added so no one gets lost
- **Work by consensus**, not command: don't "take over" the project and do it solo.

Get going

- Meet your teammates
- Exchange contact info
- Agree on when you will meet next (at least one meeting before the weekend)
- Read the assignment. Ask questions on things you do not understand.
- Think (and write) about the object types (dictionaries) that you will need – what will the keys be?
- Figure out and record your milestones. What will you have done before each class day.
- High-level plans before you begin coding
 - ▣ Add your notes on all of this to your project and commit to your team repository

Teams

31:lapresga,quammebd,thairp

32:carvers,krachtkq,mcdonabj

33:dunbarzh,grifficd,mccunest

34,handokkr,idletm,parasby

35:jungm1,perrycj,rodrigrd

36:baileyjm,beaversr,hormutda

37:lemmersj,roesslsh,tottenfj

38:chanmn,gumzaj,jacksona

41:ngop,collinbc,weaverdw

42:geislekj,atniptw,deperarc

43:hopkinaj,mullanaaj,cherbabm

44:houstoef,hinesen,vencelsj

45:cundifij,weavergg,fishernl

46:vermiljb,wieganda

47:duganje,kautzjr,guineydr

48:greenwka,draycs,wardsr

Project Location

- Linked form Session 16 on the Schedule page, so you do not need to go through ANGEL at all.
- More stuff on ANGEL → Lesson → Projects → RobotFollower later.