4156 Thursday 10/3/13 pase 1 team requirements/plandue today next assignment design/revised plan due m 2 weeks - October 17 CRC cords - approach etypically taken to mitrak design m CRC= class responsibility collaboration index cards agam food nouns

for topot card or class name or use asses

product is drund rest divided left loght

singleft responsibilities of the class

in ght list the other classes Amteracts

with to fulfill its responsibilities complexity of the design to a minimum (although maybe 4x6 cards

moterdot 3x5)

fourson essentials, not inner workings
refrom from giving class too many responsibilities
layateadson table white discussion des 4156 Thurder 1013/13 pase 2 - show CRC and mases from goode discuss design magroup somm - teams of 4 people work forms 5-9 or a pair

walk through scenarios for each one care

add cords to represent external actors, e.g., who mitrak the scenario

more cords around to animak add new cards as you go chanse responsibiliting a collaborators

do all this first, then start producins class, sequence, State diagrams (may be others)

validate those diagrams by Walking through with the cords again - may need to modify cads alor diagrams

responsibilities should be balanced across carels a not duplicated

4156 Thursday 1013/13 pase 3 do activities la 2 from volunteers CRC Card Tutorial 7 sourteers - 1st #1 15 mm 3 volunteers Some of some - the later #2 5 mm more after mitral round of CRC, need UML class, sequence, State diagrams
there are various other hinds of UML diagrams some times used on desoso but we'll stock with these we'll talk about the various diagrams lut let's consider some design principles -Single Responsibility Principle
every object should have a
Single responsibility tall
the object's services should
be focused on cory month
that actually

4156 Thursday 10/3/13 pase 4 how did SRP apply to your designs for the actual?
- Kall on people It no voluntees objects/classes should only have OR reason to chanse - because You changed how the responsibility when you because some other class chanses (mpple effect) bach to your teams for the activity Preh on of the most "interesting" dasses myour design Core up with a list of methods was for that class now for those methods, consider of
the the the blanks

4156 Thursday 1013/13 PaseJ next principle - DRY don't repeat yourself don't repeat yourself Jorotapy

auoid duplicate code by & Got tell

abstracting or separating at paste!

thous that are common a

placing those things ma single location can refactor design as well as rock to move duplication SRP and DRY teand to lead to smaller number of biggerclasses do any of the classes on your CRC cards have overlapping responsibilities? classes only of the blank blanks methods on your CRC cards sound silly or wons refactory or design = 10 mm? Ablands blands exercise 3 m. exercise 3 ms volonteer, read & aloud