4156 Thursday 9/26/13 page 1 good services of project proposal du 5 pm next assignments moderdual assisnment #2 for Survey on testing familiand Tot Survey on testing familiand Tot requirement a planning for requirement a planning for expanding or replacing user stores with use cases use case also describes one thing that your SW needs to do but more steps a details may cover alternate flows (error or special cases) later & approach is intended to more easily lead developes to discover the classes lead that will need to be implemented combines textul description & drawrows

4156 Thursday 9126113 page 2 UML= Unified Modeling Language based on scenarios Soft of like User stories but tocused on series, of actions that illustrate behavior human actor does this software computer actor dows that regreen ent from stateholders use cases specify Scenarios, moduling variant Sequences actions terror sequences UML Symbol for a use Case to an oval name of use case Should
be active voice

present tense verb

- do this, do that

figure

- do this, do that

actor is entity that interacts we system

actor is entity that interacts we system

man individuals

4156 Thusday 9/26/13 pase 3 What is marde the system us. outside? denoted by rectable so use case dragram looks like 2-01 each use care has a prose flow of events - preconditions
-mannflow (with subflows readability)
-alternative flows Consider what could possible go wrome for each stepm man flow (or its subflows) alternate flows are useful for defining test cases

4156 Thurday 9/26/13 pase 4 use case dragram can show relationships between actors + use cases and between different use cases default relationship is communication requests mormation from or mushe the use case mclude relation shop - ysed when a use case is michded M 2 or more other use cases. e.g. logm use case

- label arow with xemeludezz

to distinguish from defeult

communication corow

flow of events "calls" the
molyded use case
dothors

dothat

dothat

Juder

Thurday 912613 page 5 4156 extend relationship «extend>> whereas Smilato include but denotes Mchode an exceptional varation we done (4 doesn't need to be multiply used) - different from all - alternative flow that is complex, with subflows & possibly alternate flows of its own dothis dospecial case - (Xextend >7) note arrow goes other direction example - user has forsotten usered afor password <<mcludes 100m «extend» retrace oserial) or reset password mosuse case - use case from point of ot view of hostile attacher attacher trying to break sewith for privacy to some without the black out the