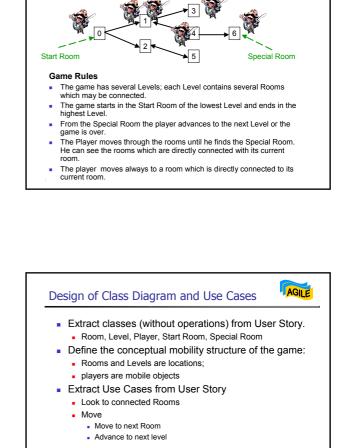


6

5

AGILE

Special Room



AGILE

Additional Game RulesSeveral players in the game

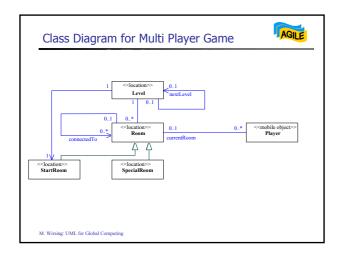
0

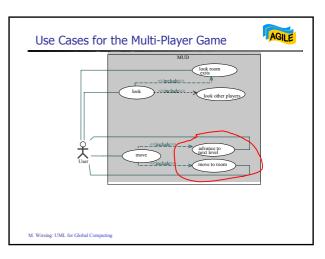
Start Room

User Story: Multi Player Game

A player can see the other players in its room

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Development of Scenarios and Acceptance Tests

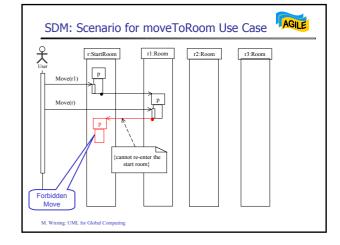
Develop Sequence Diagrams for each Use Case
 Standard behaviour (moves in black color are possible)

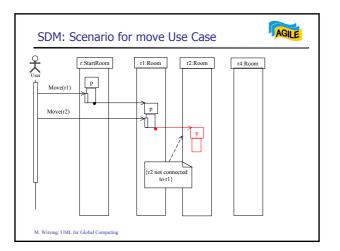
AGILE

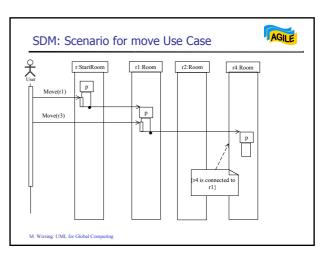
- Forbidden behaviour (moves in red color are forbidden!)
- Derive Acceptance Test from Sequence Diagram
 Create Test Template
 - Add parameter data and expected results

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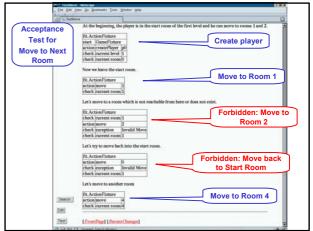
• Extend Class Diagram by the operations of the Acceptance Test?







FitNesse is a collaborative testing and documentatio tool developed by R. Martin et al. It is a Wiki implemented in Java Test development:
Write acceptance tests in Wiki where every test is shown in a table Implement a test fixture in Java for the operations in the tes tables



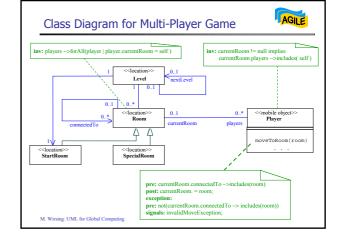
Derive Properties



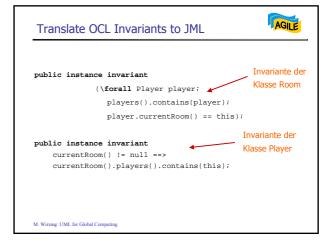
- Extend the class diagram by the operations of discovered in the acceptance test (moveToRoom; . . .)
- Derive OCL pre- and post conditions for the operations
- Derive OCL invariants

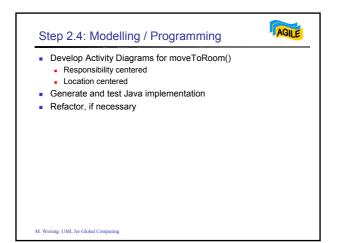
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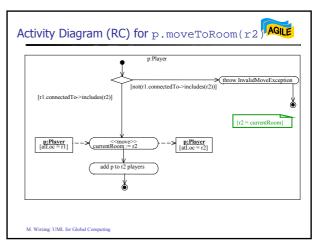
 Translate OCL to JML which automatically creates assertions in the implementation



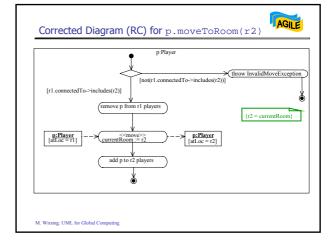
twisting the second secon

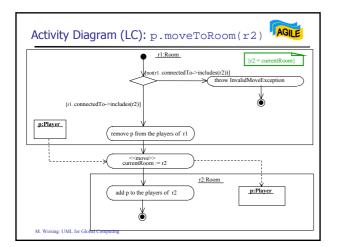


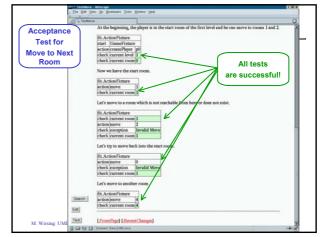


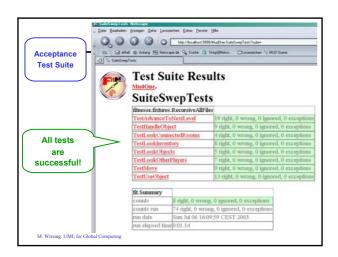


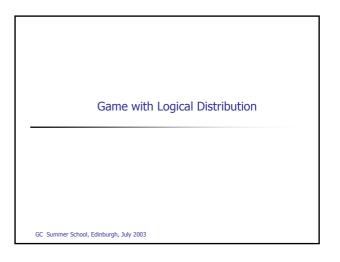
Acceptance	abeten Anzeigen Gehe Leo			
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/ 85,		cape de 🔍 Suche 😭	Shop@Netsc. DLeseoschen 😳 MUD Gane	
Room	uteSwepTexts			
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1	fitnesse.fixture	fitnesse fixtures. Recursive All Files		
	TestAdvance	FoNextLevel	19 right, 0 wrong, 0 ignored, 0 exceptions	
	TestHandleOt	oject	9 right, 0 wrong, 0 ignored, 0 exceptions	
	TestLookCon	nectedRooms	4 right, 0 wrong, 0 ignored, 0 exceptions 8 right, 0 wrong, 0 ignored, 0 exceptions 5 right, 0 wrong, 0 ignored, 0 exceptions	
	TestLookInve	ntory		
	TestLookObj	ects		
	TestLookOth	er Players	6 right, 1 wrong, 0 ignored, 0 exceptions	
	TestMon		9 right, 0 wrong, 0 ignored, 0 exceptions	
Shows error:	se Objec	t	13 right, 0 wrong, 0 ignored, 0 exceptions	
Forgot to remove p from	fit.Summary	1		
the old room	counts	7 right, 1 wrong, 0 ignored, 0 exceptions		
	counts run	73 right, 1 wrong, 0 ignored, 0 exceptions		
		Sun Jul 06 16:00:08 CEST 2003		











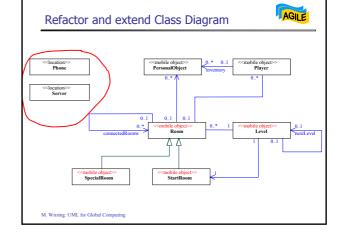
MUD Game with Logical Distribution

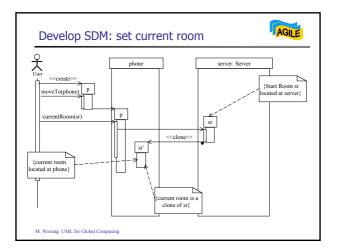


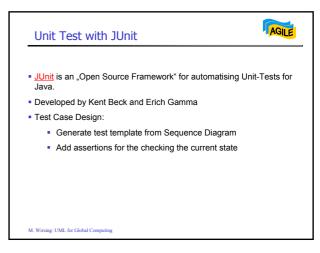


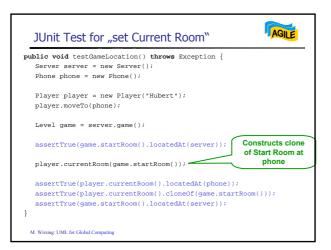
- Develop UML Activity Diagram and generate and test implementation
- Refactor, if necessary

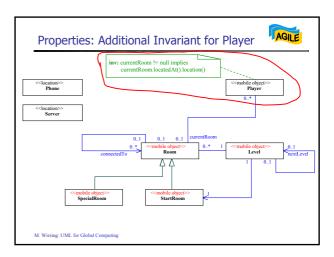
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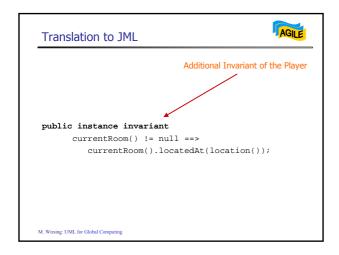


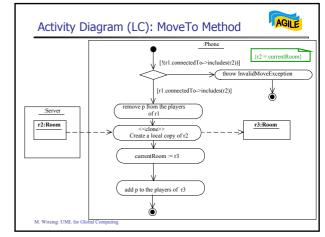


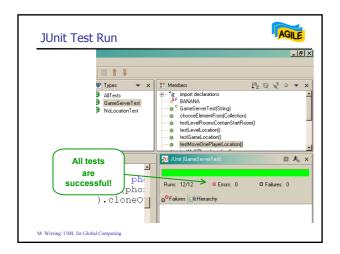


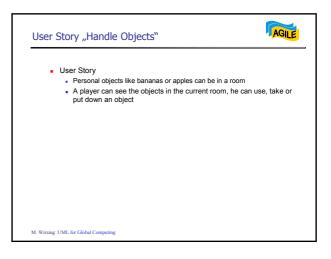


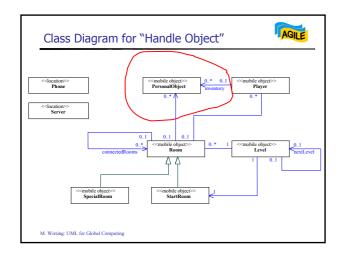


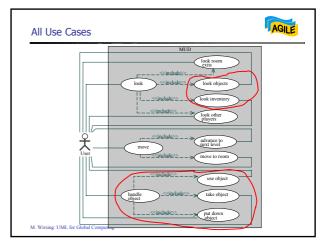


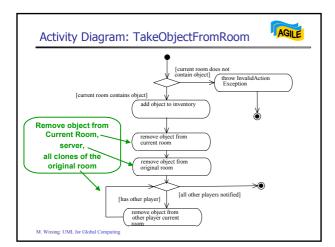


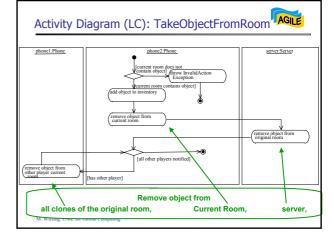


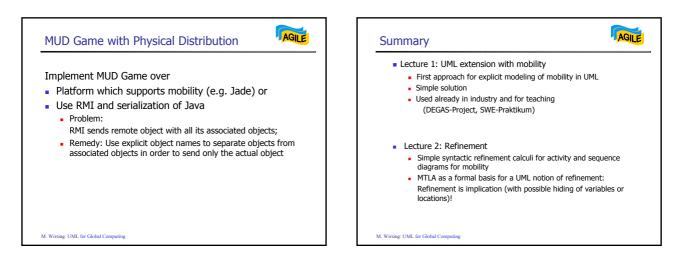


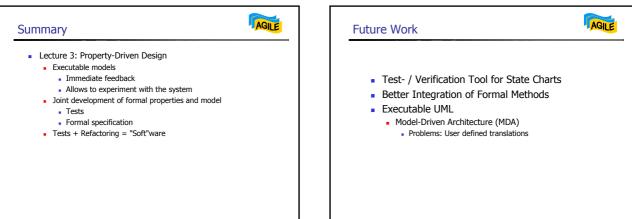












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