

Practice 5

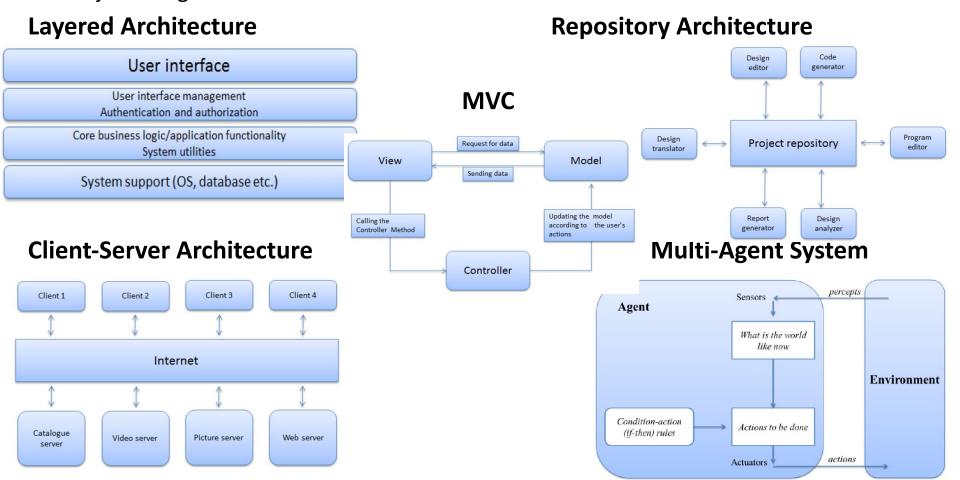
#### ARCHITECTURAL DESIGN

## Outline

]	<ul> <li>Introduction to software engineering (week 1)</li> <li>□ Software engineering (SE) standards</li> <li>□ What is software project?</li> <li>□ Problem with software projects. Setting objectives. Stakeholders.</li> <li>□ Software Engineering Activities</li> </ul>	<ul> <li>9 Software Development (week 9)</li> <li>Environment configuration settings</li> <li>Application development</li> <li>Connection with database and data models</li> <li>Development of software application sides</li> </ul>
]	2 Software Processes (week 2)  ☐ Software process models ☐ Software specification ☐ Agile methods	<ul> <li>10 Software Testing (week 10)</li> <li>Verification and Validation.</li> <li>Various types of testing</li> <li>Unit testing</li> </ul>
]	3 Requirements engineering (week 3)  ☐ Functional and non-functional requirements ☐ The software requirements document ☐ Requirements specification	<ul> <li>11 Software Evolution and Maintenance (week 11)</li> <li>Software Development Evolution</li> <li>Software Maintenance</li> <li>12 Software Quality (week 12)</li> </ul>
]	4 System and Data Modeling (week 4)  Structural models Interaction models Unified modeling process and language Data models	<ul> <li>Design methods of measuring the software. Monitor the quality</li> <li>Use external quality standards</li> <li>13 Risk and Security Engineering (week 13)</li> <li>Risk Management</li> </ul>
]	5 Architectural Design (week 5)  Architectural design decisions Architectural views Architectural patterns	<ul> <li>Security Engineering</li> <li>14 Team Work and Management (week 14)</li> <li>Organizational behavior</li> <li>Select and induct new staff into a project</li> <li>How to Increase staff motivation. Improve group working</li> <li>appropriate leadership styles</li> <li>15 Software Project Presentations (week 15)</li> </ul>
]	6-7 UI and Software Design (week 6-7)  Usability Iterative design Design rules Gestalt laws and Mental models Virtual windows  MIDTERM Recall and reflection (week 8)	

#### Class activity. Question 5.1

- Description: Please read carefully the description of the relevant Projects for each team. Number of Projects 3, number of teams 3.
- Class activity Question 5.1 (30 minutes): Based on the group discussion please suggest the appropriate model of architectural design that can be more relevant for the proposed Project design.



### Class activity. Question 5.1 (cont.)

☐ After class activity discussion please provide the explanation in comments under the appropriate post your selection of the model for architecture design.

# Thank you for your kind attention!