Università
Ca'Foscari
Venezia

Master course

in Computer Science and Information Technology

Software Architectures

-

Task 2

Group 5
Bastianello Lorenzo, 874268
Bonomi Silvia, 867138
Bruno Francesco, 875812
Quaglia Beatrice Maria, 875332

Academic Year
2022 / 2023

Introduction

Requirements

Please submit a pdf file where you define what architecture characteristics amongs the ones we identified are of interest to your IT system, relating each architecture characteristics to the points of the kata that led you to identify that caracteristic. For each architecture characteristic you picked up, please "quantify" exactly at what level you need it for your IT system.

Architecture

Architecture Characteristics

Given a level desired with value between 1 (minimum level desired) and 5 (maximum level desired) for each characteristic identified at lesson, below are shown our point of view for each architecture characteristic that our future platform will have to respect:

Characteristic	Level desired	Requirements referred
Deployability	4.0	20
Elasticity	5.0	17
Evolutionary	1.0	21
Fault Tolerance	4.5	15, 19
Modularity	4.25	18
Overall cost	2.0	18, 20
Performance	3.75	17
Reliability	3.75	11, 15, 19
Scalability	4.5	17
Simplicity	4.5	18
Testability	2.25	20

Levels desired have been choosen through a vote between group members, for this reason values aren't always perfectly rounded.