Grading of Semesterproject "High Performance" (Certification)

(Lecture Integation Architectures (WS 2024 / 2025)

Team / Student: Team from Ukraine (Yedomakha Ilya, Artem Dovgal, Oleh Kromov)

	Bewertungsskala: 1 (gering) - 5 (hochwertig)	Bewertung	Gewichtete Bewertung (Summe)	Bemerkung
Functional Requirements				
Weight	40%			
MVP_FR1	Basic master data of a salesman (name, employee ID, department, year of performance) must be displayed upon requesting the bonus computation sheet of a single salesman.	10,0		
MVP_FR2	The social performance evaluation criteria must be displayed for a given salesman together with the individually computed bonus for each criterion.	10,0		
M_FR1	The total bonus of the social performance evaluation should be displayed.	5,0		
M_FR2	Remarks to the bonus computation should be entered and stored for a single salesman.	5,0		
M_FR3	The total bonus should be stored in OrangeHRM.	5,0		
M_FR4	The CEO is mainly involved in the process for fetching the data and for approving the bonus computation.	5,0		
C_FR1	The orders evaluation should be displayed for a given salesman together with the individually computed bonus for each order statement.	5,0		
C_FR2	For a given salesman, the total bonus should be displayed based on the orders evaluation.	5,0		
C_FR3	The resulting total bonus resulting from both social performance and orders evaluation should be stored in OrangeHRM.	5,0		
C_FR4	The product names, client data, client ranking, number of items should be fetched from OpenCRX.	5,0		
C_FR5	Both the CEO and the HR assistant are involved in a process for approving the bonus computation.	5,0		
C_FR6	The salesman can see the bonus computation in the end of the process	5,0		
C_FR7	The bonus computations are stored persistently, so that it can be retrieved later from both HR assistant and CEO.	5,0		
N_FR1	There is a secure login and authorization mechanism for each user within the process.	5,0		
N_FR2	There is workflow-based model and prototype for a selected business steps or use case. The workflow is created in Camunda.	5,0		
N_FR3	Additional charts should be implemented visualizing statistics on bonus payments for all salesmen (see also the hints below).	5,0		
N_FR4	The salesman can confirm the bonus computation in the end of the process.	5,0		
N_FR5	HR assistant can use the application for altering the both target and actual values of the social performance criteria.	5,0		
N_FR6	Employees from company Vaculon LLP should be displayed together with their available bonus values. Corresponding data should be read from Odoo.	5,0		
	Summe	105,0	**42,0**	
Technical Requirements				
Weight	30%			
T1	The database of your application must be MongoDB (Node.js or Java)	10,0		
T2	The backend component is based on Node.js (10; 5 point if Java was used)	10,0		
T3	The backend component is based on Express.js (10; 5 points if SpringBoot was used))	10,0		
T4	The frontend component is based on Angular (20), or on Postman (5)	20,0		
T5	OrangeHRM is integrated (10)	10,0		
T6	OpenCRX is integrated (10)	10,0		
T7	An API was documented with SwaggerUi (5) and OpenAPI (5).	10,0		
T8	A Linting Tool was used	4,0		Only first demos
T9	Odoo was covered by tests (5 P.) and in the architecture (5 P.)	10,0		
T10	An integration test was implemented with real services (5) and mocked services (5)	10,0		Sinon.js given
T11	For the workflow-based implementation of a business step, the platform Camunda must be used	10,0		
T12	Additional techniques or features were used (e.g., UI is outstanding)	5,0		
T13	General appearance of the prototype (e.g. Usability)	7,0		Very good, outstanding
	Summe	126,0	37,8	
Additional Constraints				
Weight	20%			
L1	Description of the old performance management process	5,0		
L2	Context view of the new software architecture	5,0		
L3	Module view of the new software architecture (Package or class diagrams)	5,0		
L4	Short description of the involved enterprise application systems	5,0		
L5	Class diagram of the business objects	5,0		
L6	UML sequence diagrams of the security mechanisms	5,0		
L7	Overview of technical requirements w.r.t. checklist	5,0		
L8	Overview of functional Requirements (Use Case Model or User Stories)	5,0		
L9	BPMN-based Workflow from Camunda	5,0		
L10	Mock-Up of tbe Performance Cockpit and the page flow; Differences	5,0		
L11	CI-CD solution given with GitLab	0,0		Not given for this team
	Summe	50,0	10,0	
Presentation and Submission				
Weight	10%			
V1	Live Demo with Code-Walkthrough (5 P.) and Algorithm (5) was presented	10,0		
V2	Lessons Learned with Summary	5,0		
V3	Overall quality of the presentation	5,0		
V4	Formal criteria for submission is met (one PDF-file)	4,0		Only Word
	Summe	24,0	2,4	
	Sum Weighted	305,0		**Max Points**
	Sum Weighted		<u>92,2</u>	93,0
	Ratio (Requirements covered in %)	--	<u>99.14</u>	
				Cluster:
	Final Grade		<u>**1,0**</u>	

Comments

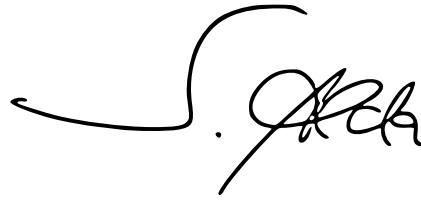*Very good presentation, all speakers are involved, the contributions are equally shared*
Strong prototype, very good quality.
Very good documentation
Very good artefacts, very detailled
Very good demo of the prototype

In total: outstanding performance

Prof. Dr. Sascha Alda