Subject code:	Subject name: Mobile	e application requirem	ents analysis
M.5(4)		1	•
Study load: 2 ECTS	Load of contact hours: 28	Study semester: Spring	Assessment: Credit / No credit
Objectives:	students studying the basic concepts and principles of the formation and analysis of user requirements for mobile application programs, familiarity with various technologies and techniques for identifying and formalizing requirements, mastering the skills of working with complexes of documentation, testing and requirements management tools.		
Course outline:	applications. 2. Creation and analys 3. Development of req 4. Documenting requir 5. Quality attributes. 6. Prototyping. 7. Special requirement 8. Management requir 9. Implementation of t Contact lessons will be	is of requirements. uirements. rements. s. ements. he requirements building divided into two part	ts: laboratory work and
Learning Outcomes:	and attitudes) should be 1 – apply standards for various stages of the li 2 – compile technical of cycle of an information 3 – analyse the feasibil complexity of the implementary of the	se students (in the term be able to: If the design of technical fe cycle of an informated documentation at various system; lity of the requiremental dementation of the requirements with interest	ns of knowledge, skills, al documentation at ation system; ous stages of the life as, evaluate the uirements for software; ted parties; cations for software
Assessment Methods:	Assessment is split int mandatory presentation points) and group projections.	o two parts: tests, indins, and team tasks dur	vidual tasks, including 3 ing course (60% of
Teacher(s):	Vakhtin Alexsey		
Prerequisite	None		
subject(s):	Vent E. William C. C.	nana Danasina wa asia a	antinal Tanlani far
Compulsory Literature:	Karl E. Wiegers Softw Gathering and Managi Development Cycle. (1	ng Requirements Thro Pro-Best Practices).	-
Replacement Literature:	Steve McConnell Code	e Complete,	

	Robert C. Martin The Clean Coder: A Code of Conduct for		
	Professional Programmers.		
Participation	Individual project must be presented by end of the course.		
requirements:			
Independent work:	I. To develop requirements for the following software systems being		
_	designed (according to options): 1. The banking system. It is necessary to realize the possibility of registering a client, opening credit and deposit accounts. Calculation of accrued interest, commissions, etc. Generation of reports on clients and bank affairs. To provide for the possibility of opening accounts at predetermined tariffs, adjusting tariffs, and creating an individual tariff.		
	2. Software for the clinic or diagnostic center. Provide for patient		
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	registration options. Viewing and editing the schedule of doctors,		
	making a patient appointment. Enter the results of the examination		
	and the doctor's opinion. Printout of test results, doctor's conclusions. To realize the possibility of access to the data of		
	analyzes and conclusions of the doctor through the personal account		
	of the patient.		
	3. Online store (auto goods, household chemicals, goods for repair,		
	etc.). To consider the division of goods into categories, the search for		
	goods by parameters. Order formation, order processing, etc.		
	4. The control system with the help of evoked visual potentials. To		
	consider a plug-in module for obtaining data of evoked potentials		
	with EEG, a signal processing module, and a control module based on commands received from the signal processing module. 5. The control system using miosignals. To consider a plug-in module for obtaining data of evoked potentials with EEG, a signal processing		
	module, and a control module based on commands received from the		
	signal processing module.		
	II Conducting an analysis of the developed requirements of the		
	II. Conducting an analysis of the developed requirements of the		
	practical task option for your classmate		
Grading criteria scale			
or the minimal level	Failed Laboratory and practical tasks not completed		
necessary for passing	J 1 1		
the subject:	Passed Laboratory and practical tasks completed		
Information about			
the course:	Room, on at		
1) Date 1	Laboratory 1		
	Features of the development of software requirements for mobile		
	applications.		
2) Date 2	Practical 1		
	Features of the development of software requirements for mobile		
	applications.		
3) Date 3	Laboratory 2		
	Creation and analysis of requirements.		
4) Date 4	Practical 2		
T) Date 4	ા ૧ તપાપના દ્વ		

	Creation and analysis of requirements.	
5) Date 5	Laboratory 3	
	Development of requirements.	
6) Date 6	Practical 3	
	Documenting requirements.	
7) Date 7	Laboratory 4	
	Quality attributes.	
8) Date 8	Practical 4	
	Prototyping.	
9) Date 9	Laboratory 5	
	Special requirements.	
10) Date 10	Practical 5	
	Special requirements.	
11) Date 11	Laboratory 6	
	Management requirements.	
12) Date 12	Practical 6	
	Management requirements.	
13) Date 13	Laboratory 7	
	Implementation of the requirements building process.	
14) Date 14	Practical 7	
	Implementation of the requirements building process.	