APPENDIX D

Criteria for Evaluation of Literature Reviews

	Criteria and Qualities	Deficient 2	Undeveloped 4	Average 6	Developed 8	Exemplary 10	Grade
1.	Content Historical and theoretical background. Seminal literature.	No theoretical literature or historical depth demonstrated. No reference to seminal studies.	Brief reference to theoretical or historical literature. Brief reference to seminal studies.	Some reference to key historical literature and theoretical material. Some reference to seminal studies.	Adequate to good reference to key historical and theoretical literature. Adequate to good reference to seminal studies.	Explicit and thorough reference to key historical literature and theoretical material. Thorough reference to most important seminal studies.	
2.	Breadth of subtopics.	No subtopics present.	Narrow focus. Subtopics too specific or too broad. Literature supporting subtopics is inadequate.	Several subtopics examined. Most subtopics are appropriate. Literature supporting subtopics is inadequate.	Adequate to good presentation of subtopics inherent in research. Adequate supporting literature.	Inherent subtopics thoroughly and appropriately presented through relevant and sufficient literature.	
3.	Quality of literature.	No research-based literature.	Overemphasis upon popular and non- research literature. Little research-based literature.	Equal mix of non-research and research -based literature. Importance of studies not established.	Adequate to good emphasis upon important research studies. Importance of studies partially established.	Thorough reference to most important research studies. Little or no reference to popular literature. Importance of studies established.	
4.	Relevance of published studies to current topic.	Relevance of published studies to current topic not addressed.	Brief mention of relationship of literature to current topic; explanation lacking.	Some explanation of relationship of literature to current topic provided.	Adequate to good explanation of literature's relationship to current topic provided.	Explicit relationship between relevant literature and current topic demonstrated.	
5.	Relevance of published studies to each other.	Relevance of published studies to each other not addressed.	Brief mention of relationships among some published studies; explanation lacking.	Some explanation of relationships among published studies provided.	Adequate to good explanation of relationships among published studies.	Thorough development of relationships among published studies.	

APPENDIX D

Criteria and Qualities	Deficient 2	Undeveloped 4	Average 6	Developed 8	Exemplary 10	Grade
Presentation			-		-	
6. Organization	Inconsistent or confusing to reader.	Organization present but not outlined. Subtopics are not clearly established or are inappropriate.	Organization outlined. Subtopics do not follow logical sequence or are inappropriate.	Organization clearly outlined. Most subtopics are appropriate and follow logical sequence.	Organization clearly outlined and followed. Literature discussion organized into appropriate subtopics which follow logical sequence.	
7. Transitions	No apparent transition between sentences, between paragraphs, or between sections.	Despite transitional devices, structural sequence is unclear.	Basic sentence, paragraph, section sequences are demonstrated. Some sentences, paragraphs, sections do not follow logical order.	Clear, logical transitions throughout. Paragraphs are not consistently presented as coherent units.	Clear, logical, appropriate transitions and coherent paragraphs facilitate chapter organization.	
8. Current study rationale and contribution	Rationale for current study not stated. Contribution of current study to body of knowledge not stated.	Stated rationale is unclear or follows poor logic. Contribution of current study not stated.	Rationale stated but not supported by discussion of the literature. Contribution of current study not clarified.	Rationale stated and marginally supported by discussion of the literature. Contribution of current study not clarified or not supported by the literature.	Clear, logical explanations for rationale and for contribution of current study established. Rationale and contributions are supported by the literature.	
Writing/Format						
9. Clarity of writing and interpretation of literature	Writing does not clearly express interpretation of literature. Grammatical and spelling errors present. Inconsistent voice.	Writing occasionally expresses interpretation of literature. Grammatical and spelling errors are present. Inconsistent voice.	Writing is generally clear. Adequate understanding of research literature not demonstrated. Occasional grammatical or spelling errors present. Inconsistent voice.	Writing is clear and free of grammatical and spelling errors, and expresses single voice. Analysis and understanding of research literature are partially demonstrated.	Writing is free of grammatical and spelling errors, and expresses single voice. Writing is evaluative, interpretive, and clear. Understanding of research literature thoroughly demonstrated.	
10. Bibliographic format	Text and bibliography citations missing.	Text and bibliography citations are occasionally present. Format is inconsistent or incorrect.	Citations within text and bibliography present with frequent inconsistencies or errors.	Citations within text and bibliography present. Few inconsistencies or errors.	All citations present and correctly formatted.	
					Total grade	

Appendix E

Grading Rubric - Software Requirements Specification (SRS)

Achievement		Minimal	Limited	Satisfactory	Exemplary	Grade
Content	5	Section(s) missing, not useful, inconsistent, or wrong. (1)	Serious omissions or problems with content. (2)	Some problems with completeness or details of content (4)	Provides all relevant information correctly and with appropriate detail (5)	
Introduction	10	Minimal details <i>See criteria in exemplary</i> (2)	Limited details <i>See criteria in exemplary</i> (4)	Satisfactory details <i>See criteria in exemplary</i> (8)	All details (scope of product, references, definitions, acronyms, abbreviations) are given (10)	
Users and Functions	10	Minimal details <i>See criteria in exemplary</i> (2)	Limited details See criteria in exemplary (4)	Satisfactory details <i>See criteria in exemplary</i> (8)	All details (Stakeholders, Product Perspective, Features, User Characteristics/ Use Cases) are given (10)	
Constraints, Assumptions and Dependencies	10	Perspective is inaccurate, weak description of existing system, constraints, dependencies and assumptions(2)	Perspective is limitedly accurate, partially describes existing system, constraints, dependencies and assumptions (4)	Perspective is moderately accurate, mostly describes existing system, constraints, dependencies and assumptions (8)	Perspective is complete and accurate, describes existing system, gives real-life constraints, dependencies and assumptions (10)	
Functional Requirements	25	Minimal details See criteria in exemplary (5)	Limited details <i>See criteria in exemplary</i> (9)	Satisfactory details <i>See criteria in exemplary</i> (21)	All requirements are complete, accurate, not repeated, and placed in the appropriate section; Requirements are traceable, testable, consistent, clear, unambiguous, and precise. (25)	
Nonfunctional Requirements	10	Minimal details <i>See criteria in exemplary</i> (2)	Limited details See criteria in exemplary (5)	Satisfactory details See criteria in exemplary (7)	Performance, security, reliability, maintainability, usability etc. are addressed (10)	
Grammar and Spelling	10	Many serious mistakes in grammar or spelling (2)	Several large issues or many smaller ones (4)	Some small grammar or spelling issues (8)	Grammar, punctuation, and spelling all correct (10)	
Expression		Very difficult to understand (1)	Hard to follow or poor word choices (2)	Mostly easy to read and understand (4)	Clear and concise. A pleasure to read (5)	
Tone	10	Tone not appropriate for technical writing (1)	Tone somewhat unprofessional (2)	Mostly professional tone (4)	Tone is consistently professional (5)	
Organization		Very hard to find information (1)	Information difficult to locate (2)	Can find information with slight effort (4)	All information is easy to find and important points stand out (5)	
Layout	10	Layout makes it harder to understand and use the document (1)Layout is inconsistent or not visually appealing or supportive (2)		Layout is reasonable, consistent and generally helpful (4)	Layout is attractive, consistent, and helps guide the reader (5)	
Total	100	(Total:20)	(Total:40)	(Total:80)	(Total:100)	

APPENDIX F

CEN	NG 407 / 408 Proje	ct Website Evalua	tion Rubric	
Unsatisfactory	Partially Proficient	Proficient	Exemplary	Grade
Autho	ority and Affiliation (9	610 of total score) (0-	3 pts)	
No information available about team members and company (0 pt)	Only names of team members and company are given. (1 pt)	Proficient information about team members and company are given. (2 pts)	Team members, project proposer and company are fully introduced. (3 pts)	
	Navigation (10% of	total score) (0-3 pts)		
Navigating the site is confusing and information cannot be found easily. (0 pt)	Navigating the site is sometimes inconsistent and there are some broken/missing links. (1 pt)	Navigation works without problem. Minor problems about accessing information. (2 pts)	The site is well-organized and easy to navigate. Visitors can clearly understand where they are and where to go next. (3 pts)	
	Content (50% of to	otal score) (0-3 pts)		
No documentation available about the project. (0 pt)	Documentation (SRS, SDD and Project Report) is available. (1 pt)	Documentation (SRS, SDD and Project Report) is available and updated. Project roadmap and stages are introduced. (2 pts)	Full documentation and forms are available and updated. Project is well introduced. Project plan and schedule are provided. Final product and demo video are available. (3 pts)	
	Design (30% of to	tal score) (0-3 pts)		
No graphic elements, bad layout and/or the colors and text interfere with the readability. (0 pt)	Few graphic elements, poor layout, colors and text readability. (1 pt)	Some graphic elements and limited variation in layout. Design elements partially assist visitors in understanding concepts and ideas. (2 pts)	Good utilization of graphic elements and variation in layout. Design elements assist visitors in understanding concepts and ideas. (3 pts)	
			Overall	

Appendix G

Grading Rubric - Software Design Description (SDD)

Achievement		Minimal	Limited	Satisfactory	Exemplary	Grade
Content	5	Section(s) missing, not useful, inconsistent, or wrong. (1)	Serious omissions or problems with content. (2)	Some problems with completeness or details of content (4)	Provides all relevant information correctly and with appropriate detail (5)	
Introduction	10	Minimal details See criteria in exemplary (2)	Limited details <i>See criteria in exemplary</i> (4)	Satisfactory details <i>See criteria in exemplary</i> (8)	All details (scope of product, references, definitions, acronyms, abbreviations) are given (10)	
Architectural Description	10	Minimal details <i>See criteria in exemplary</i> (2)	Limited details <i>See criteria in exemplary</i> (4)	Satisfactory details <i>See criteria in exemplary</i> (8)	Good architectural design (super-classes/sub-classes, attributes and correct notation) (10)	
UI Description	10	Insufficient user interface description, no details (2)	Limited user interface description, not supported by figures, screenshots, etc. (4)	Minor deficiencies in user interface description (8)	All user interfaces are well-described and supported by figures, screenshots etc. (10)	
Detailed Design	35	Very poor design, mostly irrelevant with SRS (7)	Deficient design not satisfying most requirements in SRS (e.g. insufficient modelling efforts) (14)	Partially satisfies SRS, minor problems with design (e.g. mostly accurate DB design, minor flows in modeling) (28)	Meets all requirements aforementioned in SRS, Database tables, ER and Workflow Diagrams are properly presented (35)	
Grammar and Spelling	10	Many serious mistakes in grammar or spelling (2)	Several large issues or many smaller ones (4)	Some small grammar or spelling issues (8)	Grammar, punctuation, and spelling all correct (10)	
Expression	10	Very difficult to understand (1)	Hard to follow or poor word choices (2)	Mostly easy to read and understand (4)	Clear and concise. A pleasure to read (5)	
Tone	10	Tone not appropriate for technical writing (1)	Tone somewhat unprofessional (2)	Mostly professional tone (4)	Tone is consistently professional (5)	
Organization		Very hard to find information (1)	Information difficult to locate (2)	Can find information with slight effort (4)	All information is easy to find and important points stand out (5)	
Layout	10	Layout makes it harder to understand and use the document (1)	Layout is inconsistent or not visually appealing or supportive (2)	Layout is reasonable, consistent and generally helpful (4)	Layout is attractive, consistent, and helps guide the reader (5)	
Total	100	(Total:20)	(Total:40)	(Total:80)	(Total:100)	

Appendix H

Grading Rubric – Project Report

This is the rubric outline the grading criteria for project report.

Achievement		Minimal	Limited	Satisfactory	Exemplary	Grade
Content	5	Section(s) missing, not useful, inconsistent, or wrong. (1)	Serious omissions or problems with content (2)	Some problems with completeness or details of content (4)	Provides all relevant information correctly and with appropriate detail (5)	
Introduction	10	Poor introduction (2)	Brief introduction, company not introduced (4)	Sufficient introduction of overall project process and company (8)	Full introduction of overall project process and company (10)	
Problem Definition	15	Problem not defined at all (3)	Insufficient detail on problem definition (6)	Problem is defined but some inadequacy (12)	Well defined problem in every detail (15)	
Description of the System	40	Very weak description of the system designed (8)	Description of the system designed with no detail (16)	Almost complete description but some minor drawbacks (32)	Full description with all details including charts, figures (40)	
Grammar and Spelling	10	Many serious mistakes in grammar or spelling (2)	Several large issues or many smaller ones (4)	Some small grammar or spelling issues (8)	Grammar, punctuation, and spelling all correct (10)	
Expression Tone	10	Very difficult to understand (1) Tone not appropriate for technical writing (1)	Hard to follow or poor word choices (2) Tone somewhat unprofessional (2)	Mostly easy to read and understand (4) Mostly professional tone (4)	Clear and concise. A pleasure to read (5) Tone is consistently professional (5)	
Organization		Very hard to find information (1)	Information difficult to locate (2)	Can find information with slight effort (4)	All information is easy to find and important points stand out (5)	
Layout	10	Layout makes it harder to understand and use the document (1)	Layout is inconsistent or not visually appealing or supportive (2)	Layout is reasonable, consistent and generally helpful (4)	Layout is attractive, consistent, and helps guide the reader (5)	
Total	100	(Total:20)	(Total:40)	(Total:80)	(Total:100)	

APPENDIX I



ÇANKAYA UNIVERSITY Computer Engineering Department

CENG 407 Presentation Grading Rubric

This form should be used for CENG 407 for each jury member to determine the student's presentation grade.

Part I. Information of Evaluator

Namo	Surname	
Name	Sumame	

Signature

Part II. Project Information

Project Title	
Student's Name and Surname	

Part III. Presentation Grading

No			Grad	ling Co	mponent	Comments	Out of	Evaluation		
1	• C	isuals, Fig	on, mis gures,	spelli Tables	ng erro s, Parag			Jury	25	
	Eval Grade	Very Bad 5	Bad 10	Ave 15	Good 20	Very Good 25				
	• Proper	use of lar	nguage	;				Jury		
2	● V Eval Grade	/erbal skill Very Bad 5	S, entr Bad 10	Ave 15	m, voic Good 20	e Very Good 25			25	
3	• Timing utilization						Jury	25		
4	Grade 5 10 15 20 25 • Contextual integrity • Creativity, Complexity • Degree of innovation Eval Very Bad Bad Ave Good Very Good Grade 5 10 15 20 25							Jury	25	
	TOTAL								100	

Sheet1

APPENDIX J

CENG 408 Midterm Demo Presentation Rubric

Project is on schedule for completion	Success of demo		Project is a candidate for R&D Market	Total
Grading: 0 unsatisfactory 1 satisfactory 2 excellent	Over 8			
0	0	0	0	0

APPENDIX K

Grading (0-4) Grad Grad Functionality/Specifications (50% of total score) The code is minimally functional with significant time rougan is mostly functional and responds correctly producing the correct outputs and or correctly producing the correct outputs and or responses under most but there are significant tare cases and/or inputs. The code is regarding (0-4) O O The code is marginally functional with numerous gradient correctly producing the correct outputs and or correctly producing the correct outputs and or correct outputs and or responses under most but there are significant test cases. There are are significant test cases. There are are significant test cases and/or inputs. The code is poorly organized and difficult to consistency in formatting. The code is poorly organized and difficult to consistency in formatting. The code is poorly organized and difficult to consistency in formatting. The code is poorly organized and difficult to consistency in formatting. The code is poorly organized and difficult to consistency in formatting. The code is poorly organized and difficult to consistency in formatting. The code is poorly organized and difficult to consistency in formatting. The code is poorly organized and difficult to consistency in formatting. The code is poorly organized and difficult to consistency in formatting. The code is poorly organized and difficult to consistency in formatting.		CENG 40	8 Source Code Ev	valuation Rubric		
The code is not functional, meeting no significant design sporting of the code is marginally functional with significant contain with numerous isgnificant design portions of the code is readable on receiver and/or incorrect outputs and or responses under all test cases and/or inputs. (1 pt) The code is readable code is readable on proper finance is ittle to no proper finance is incorrect. (1 pt) The code is not documented. There are are isgnificant in project Report (20% of total score) The code is reasonably with significant effort. There are are infinally ormatting. (2 pts) The code is reasonably with author or formatting problems. (3 pts) The code is extremely will occumented. There are is fitted to no consistency in formatting. (2 pts) The code is marginally will be comented and or responses under all test. (2 pts) The code is marginally will be comented and or responses under all test. (2 pts) The code is reasonably will be comented. There are is fitted to no proper finance is fitted to no consistency in formatting. (2 pts) The code is marginally documented. There are minimal comments and/or response for the code is marginally documented or oscience in properiors that detact from the documented or oscience in the code is a marginally marginal incorrect. (1 pt) The code is marginally documented from there are are minimal comments and/or significant number of cases where use of gonificant number of cases where use of consistence of the documented from the documented from the eave and the documented from the			• • •			Grade
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only by the author or someone extremely knowledgeable with its layout and purpose. (0 pt) organized and difficult to read. There is little to no consistency in formatting. only with significant effort. There is little to no proper formatting. (2 pts) easy to read. There are minor formatting problems. (3 pts) well organized, properly formatted, and easy to follow. (4 pts) 0 The code is not documented. There are minimal comments and/or the comments are incorrect. (1 pt) The code is marginally documented. There are minimal comments are incorrect. (1 pt) The code is not documented or the comments are incorrect. (1 pt) The code is not documented or documented or spelling and/or grammar errors that detract from the documentation. (2 pts) The code is mostly efficient number of spelling and/or grammar errors. (3 pts) The code is mostly efficient without sacrificing readability and understanding. (3 pts) The code is mostly efficient without sacrificing readability and understanding. (4 pts) The code is mostly efficient without sacrificing readability and understanding. (4 pts) The code is mostly efficient without sacrificing readability and understanding. (4 pts) The code is made		Read	ability (20% of total s	score)		
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documented. (0 pt) minimal comments and/or the comments are incorrect. (1 pt)documented. There are significant portions of the code that are not documented or documented or spelling and/or grammar errors that detract from the documentation. (2 pts)well documented. There are minor formatting omissions that would have improved user understanding of code purpose. There may be limited grammar or spelling errors. (3 pts)well documented. Comments are completely consistent woll the associated code. The lines of code and modules are reported well. There are no grammar or spelling errors. (4 pts)0The code is a brute force implementation and appears to be patched together. (0 pt)The code is a brute force significant number of cases where use of different language constructs should have been considered. The approach used in implementing the code leads to inefficienceices. (2The code is mostly efficient code inderstanding. Some improvements could be madeThe code is extremely efficient code inderstanding. Some improvements could be madeThe code is extremely efficient (3 pts)The code is extremely efficient (3 pts)The code is extremely efficient (3 pts)0		Documentation i	in Project Report (20	% of total score)	•	
The code is inappropriately long and appears to be patched together. (0 pt) The code is a brute force implementation and unnecessarily long. (1 pt) The code is marginally efficient. There are a significant number of cases where use of different language should have been considered. The approach used in implementing the code leads to inefficiencies. (2 The code is mostly efficient without sacrificing readability and understanding. Some improvements could be made The code is extremely efficient without sacrificing readability and understanding. (4 pts)		documented. There are minimal comments and/or the comments are	documented. There are significant portions of the code that are not documented or documented incorrectly. There are a significant number of spelling and/or grammar errors that detract from the documentation. (2	well documented. There are minor formatting omissions that would have improved user understanding of code purpose. There may be limited grammar or	well documented. Comments are completely consistent with the associated code. The lines of code and modules are reported well. There are no grammar or spelling	0
inappropriately long and appears to be patched together. (0 pt) implementation and together. (1 pt) implementation and together. (2 pt) implementation and together. (3 pts) implementation and together. (4 pts) implementation and together. (5 pts) implementatio						
	inappropriately long and appears to be patched	implementation and	efficient. There are a significant number of cases where use of different language constructs should have been considered. The approach used in implementing the code leads to inefficiencies. (2	efficient without sacrificing readability and understanding. Some improvements could be made through a better choice of language constructs	efficient without sacrificing readability and understanding. (4 pts)	

Overall

0

APPENDIX L



ÇANKAYA UNIVERSITY Computer Engineering Department

CENG 408 Presentation & End Product Grading Rubric

This form should be used for CENG 408 for each jury member to determine the student's presentation and end product grade.

Part I. Information of Evaluator

Name Surname	

Signature

Part II. Project Information

Project Title	
Student's Name and Surname	

Part III. Presentation Grading

No		C	Grading	Compor	nent		Comments	Out of	Evaluation
		ntation Flow				s, grammar	Jury		
1		Visuals, Fig						25	
	Eval	Very Bad	Bad	Ave	Good	Very Good			
	Grade	5	10	15	20	25	-		
	 Prope 	r use of lan	guage				Jury		
2	• `	Verbal skill	s, enth	usiasr	n, voice	•		25	
2	Eval	Very Bad	Bad	Ave	Good	Very Good		ZJ	
	Grade	5	10	15	20	25			
	 Timing 	g utilization	1				Jury		
3	•	Duration le	ngth					25	
Ŭ	Eval	Very Bad	Bad	Ave	Good	Very Good		23	
	Grade	5	10	15	20	25			
	 Comp 	lexity and o	origina	lity		Jury			
	• (Creativity							
4	Degree of innovation							25	
	Eval	Very Bad	Bad	Ave	Good	Very Good			
	Grade	5	10	15	20	25			
						TOTAL	100		

Part IV. End Product Grading

No		(Grading	Compo	nent		Comments	Out of	Evaluation	
	• Availa	bility of ful	ly func	tional	produc	t	Jury			
1	Eval	Very Bad	Bad	Ave	Good	Very Good			50	
	Grade	10	20	30	40	50				
	Successful Demo							Jury		
2	Eval	Very Bad	Bad	Ave	Good	Very Good			50	
	Grade	10	20	30	40	50				
	TOTAL								100	