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Daffodil International University

Department of Software Engineering

Faculty of Science & Information Technology

Midterm Examination, Fall 2024

Course Code: SE212; Course Title: Software Requirement Specification & Analysis

Sections & Teachers: (A)-TRT,(B,C,D)-AR, (E,F,G)-FRR, (H,I)- MSA, (J,K)-RT

Time: 1 Hour 30 Mins **Marks: 25**

Answer ALL Questions

[The figures in the right margin indicate the full marks and corresponding course outcomes. All portions of each question must be answered sequentially.]

Scenario 01:

ReliefAid.com is a disaster management platform developed by the Bangladesh Disaster Relief Coordination Board (BDRCB), in partnership with NGOs and local authorities, to enhance relief efforts during natural disasters, such as the recent floods that affected multiple districts in Bangladesh. This platform aims to streamline volunteer management, food relief operations, and resource allocation by providing real-time updates on affected areas, tracking the status of rescue efforts, and identifying regions in need of aid. Users can view which type of relief (e g , food, medical, shelter) is most needed and monitor ongoing efforts. It also features an interactive map displaying safe houses and shelters for displaced individuals. Volunteers can register, coordinate activities, and report progress, ensuring a smoother and more efficient response to disasters. By connecting all key stakeholders, ReliefAid.com helps direct resources where they are most needed, ensuring timely aid delivery and support.

1.	a	**Summarize** feasibility analysis based on the given case above.	[Marks-3]	CLO-1 *Level- 2*
	b	**Interpret** the key Non-Functional requirements for this system.	[Marks-3]	
	c	**Characterize** a user profile for "volunteer."	[Marks-5]	
2.	a	**Associate** suitable elicitation technique/s for requirement gathering and explain the reason behind choosing it.	[Marks-4]	CLO-2 *Level-2*
	b	**Interpret** software requirement specifications for the above scenario	[Marks-5]	
3.	a	**Construct** a use case diagram based on the SRS that you listed in Q.2.b.	[Marks-5]	CLO-3 *Level-3*