## Bola Ghaly CSC 315 Midtern Exam

- Question 4:

A. Show a portfolio of the Flubs by a professor.

· BA:

The flub\_id, content, purpose, moment, inventor professor\_id = 1 (Flub X professor)

· DRC:

E < A, B, C, D, E > | < A, B, C, D, E> E Flub A = F, G, H, I, J (<F,G,H,I,J) E professor 1 F=1)3

B. Show a portfolio of all Flubs and Bounces (the Flubs bounced) by all of a Professor's Colleagues.

· RA:

Professor\_can\_we\_colleague De peter. Professor\_id = 1 AND f. inventor = pcbc. colleague\_id Pf flub)

FOR Topebe. professor\_id, pebe. colleague\_id, b.bounce\_id (Ppebe
professor\_ean\_be\_colleague Do pebe. professor\_id=1 AND b. professor\_id = pcbo. colleague\_id Pp bounce)

For  $\{\langle X, Y, A \rangle \mid \langle X, Y \rangle \in Professor\_can\_Be\_Colleague\}$ RubS  $\{A \ni A, B, C, D, E \mid \langle A, B, C, D, E \rangle \in Flub \land X = 1 \land E = Y)$ 

For  $\{\langle X, Y, A \rangle | \langle X, Y \rangle \in \text{Professor-Can-Be-Colleague} \}$   $\{\langle X, Y, A \rangle | \langle X, Y \rangle \in \text{Professor-Can-Be-Colleague} \}$   $\{\langle X, Y, A \rangle | \langle X, Y \rangle \in \text{Professor-Can-Be-Colleague} \}$   $\{\langle X, Y, A \rangle | \langle X, Y \rangle \in \text{Professor-Can-Be-Colleague} \}$   $\{\langle X, Y, A \rangle | \langle X, Y \rangle \in \text{Professor-Can-Be-Colleague} \}$   $\{\langle X, Y, A \rangle | \langle X, Y \rangle \in \text{Professor-Can-Be-Colleague} \}$   $\{\langle X, Y, A \rangle | \langle X, Y \rangle \in \text{Professor-Can-Be-Colleague} \}$  $\{\langle X, Y, A \rangle | \langle X, Y \rangle \in \text{Professor-Can-Be-Colleague} \}$