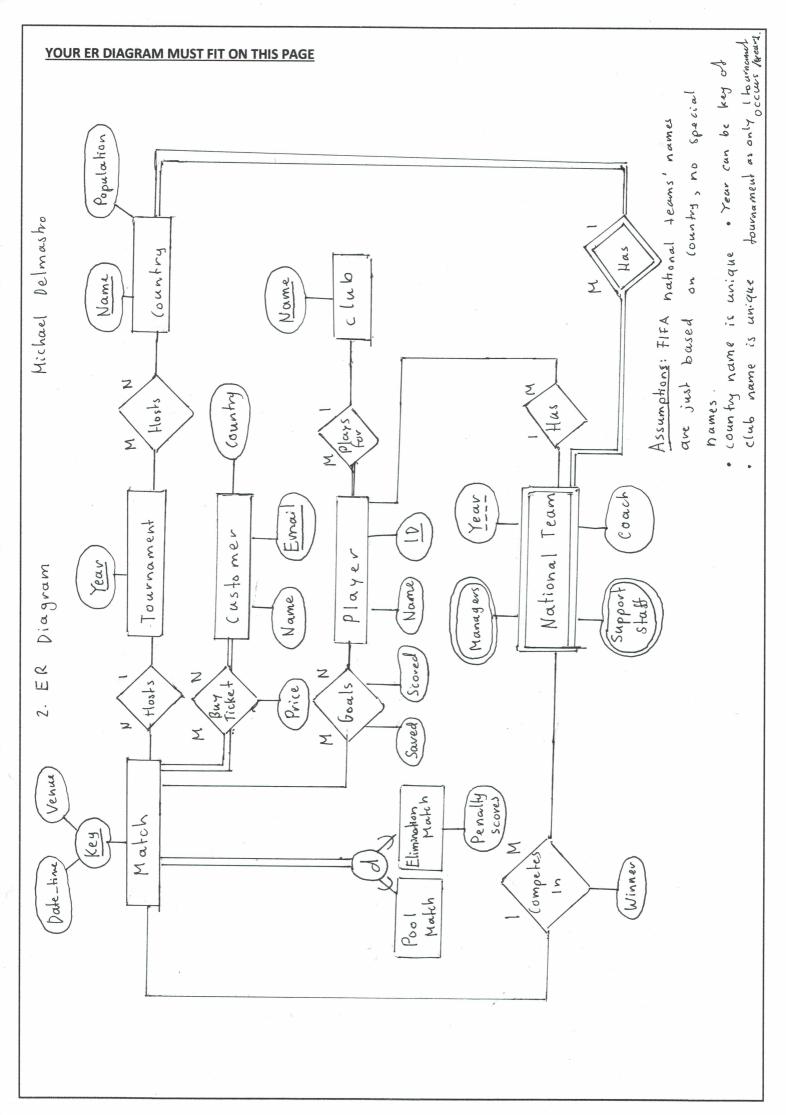
INFS1200 ASSIGNMENT 1

By Michael Delmastro

Student Number: 45360714



YOUR FINAL MAPPING MUST FIT ON THIS PAGE Multi valued Strong Entities: National- Support-staff (T. Year, C. Name, Match [Date-time, Venue, T. Year] Support-state] Customer [Email, Name, Country] Managus [J. Yeur, C. Name, Managus] Tournament [Year] (ountry [Name, population] club [Name, P. ID]

Player [LO, Name] Weak Enlities:

National-Teum [T. Year, C. Name, Coach Male-time, MVenue, Winner]

One to Many: Match-tournament I-M relationship as above (strong Entitles Section).

& Player [P.ID, T. Year, C. Name, Cl. Name, Name]

Many to Many:

Customer-match [Mate_Time, MVenue, Email, Price]

(ountry-Tournament T. Year, (. Name)

Goals [P.I.D. M.Dale-time M. Venue, scored-goals, Saved-goals]

Subclasses:

Elimination_ Match [M. Date-time, M. Venne, Penalty-Score]

Country - Townament few references Tournament. Tear

Country-Journanul. (Name references country. Name

Pool-Match [M. Date-time, M. venne]

(ustomer match. M. Date-time toreign keys: Pool-Match. Date-Time references Match. Dale-Time rederences Match. Date-Time Pool-Match. Venue references Makh. Venue. Elimination_makh. Date-Fine references Match. Date-Time. customer_match. M. venue Elimination-match. Vence references Match. Venuc. references Match. Venue National-Team. Year references Tournament. Year customer - match. Email references Country. Name National-Team. Name references ... boals. 10 references Player. 10 [Two above one Goals. Date-Time references Match. Date-time the only Goals. Venue references Match. Venue foreign keys National-Teum. Date-Time references Match. Date-Time National-Team. Venue references Match. Venue Player T. Year reservences Tournament. Year Player. C. Name références country. Name player. Cl. Nam references club. Name

YOUR FUNCTIONAL DEPENDENCIES MUST FIT ON THIS PAGE

PRODUCTS [Match 10, Product 10, Product Type, Description, Price, Alcoholic, Vendor 10, Vendor Name, Quantity, Senior Discount].

Functional Dependencies:

fd1: ProductID > { ProductType, Description, Senior Discount, Alcoholic }

fd2: Vendor 10 -> Vendor Name

fd3: { Match 10, Vendor 10 3 -> Quantity

fd4: { Match 10, Product 103 -> Price

YOUR NORMALISATION MUST FIT ON THIS PAGE

Michael Delmastro Student Number: 45360714

R[Match 10, Product 10, Product Type , Description, Price, Alcoholic, Vendor 10, Vendor Name, Quantity, Senior Discount]

FD1:
Product 10 > & Product Type, Description, Senior Discount, Al coholics

RIE Product 10, Product Type, Description, Senior Discount, Alcoholic].

R[Match 10, Product 10, Price, Vendor 10, Vendor Name, Quantity]

702: Vendon 10 > vendor Name K

R2[VendoriD, VendorName]

R[Matchill, Product ID, Price, Vendorio, Quanty]

703: of Match ID, Vendor ID } > Quantity

23[Match 10, vendor 10, duantity]

R[Match 10, Product 10, Price, vendor 10].

704: [Match 10, Product D}> Price

Normalisation:

24[MokhlO, ProductlD,

RI [Product 10, Product type, Description, Senior Ascount, Alcoholic] Price T V

PS[MatchD, Product10, Vendov ID]

R2 [Vendor 10, Vendor Name]

R3[Match 10, Vendo-10, Quanty]

R4[Match 10, Product 10, Price]

R5 [Match 10, Product 10, Vendo-10].