VALORANT CHAMPIONS TOURNAMENT

A Project By ▬
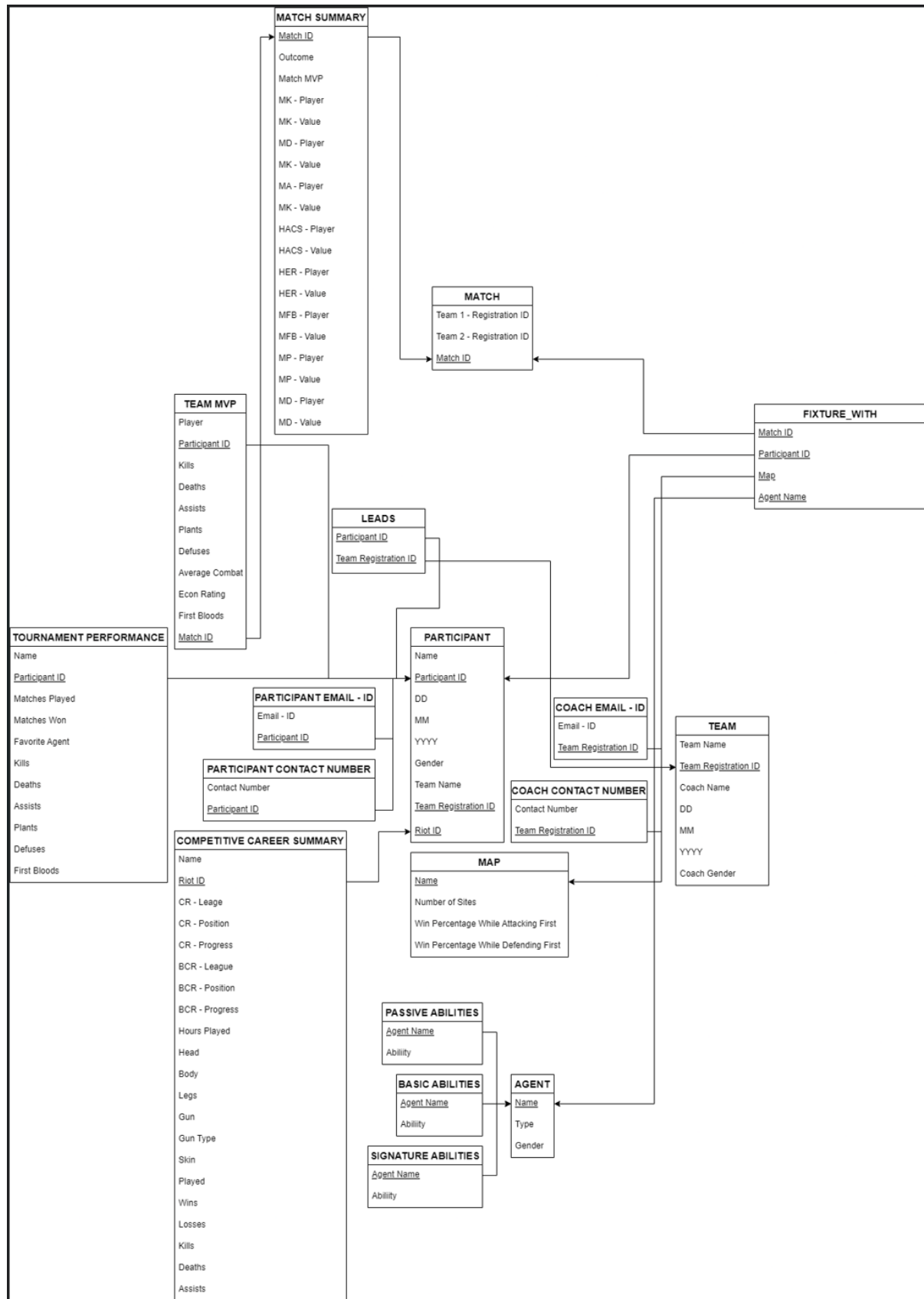
THE SILVER WOLVES

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- Ayush Yadav - 2021115003

ANAYSIS AND ASSUMPTIONS

- In the relational model, abbreviations have been used in the cases where two or more attributes have the same composite components name

- The multi-valued attributes of the match summary were made as single-valued, as it wasn't feasible to draw the, and physically the change makes no harm to the mini-world of the project

- Certain keys have been omitted or their type has been changed which is obvious as one goes through the relational model. This has been done to synchronize with the conversion process

RELATIONAL MODEL

MATCH SUMMARY
- Match ID
- Outcome
- Match MVP
- MK - Player
- MK - Value
- MD - Player
- MK - Value
- MA - Player
- MK - Value
- HACS - Player
- HACS - Value
- HER - Player
- HER - Value
- MFB - Player
- MFB - Value
- MP - Player
- MP - Value
- MD - Player
- MD - Value

MATCH
- Team 1 - Registration ID
- Team 2 - Registration ID
- Match ID

FIXTURE_WITH
- Match ID
- Participant ID
- Map
- Agent Name

TEAM MVP
- Player
- Participant ID
- Kills
- Deaths
- Assists
- Plants
- Defuses
- Average Combat
- Econ Rating
- First Bloods
- Match ID

LEADS
- Participant ID
- Team Registration ID

TOURNAMENT PERFORMANCE
- Name
- Participant ID
- Matches Played
- Matches Won
- Favorite Agent
- Kills
- Deaths
- Assists
- Plants
- Defuses
- First Bloods

PARTICIPANT
- Name
- Participant ID
- DD
- MM
- YYYY
- Gender
- Team Name
- Team Registration ID
- Riot ID

PARTICIPANT EMAIL - ID
- Email - ID
- Participant ID

COACH EMAIL - ID
- Email - ID
- Team Registration ID

TEAM
- Team Name
- Team Registration ID
- Coach Name
- DD
- MM
- YYYY
- Coach Gender

PARTICIPANT CONTACT NUMBER
- Contact Number
- Participant ID

COACH CONTACT NUMBER
- Contact Number
- Team Registration ID

COMPETITIVE CAREER SUMMARY
- Name
- Riot ID
- CR - Leage
- CR - Position
- CR - Progress
- BCR - League
- BCR - Position
- BCR - Progress
- Hours Played
- Head
- Body
- Legs
- Gun
- Gun Type
- Skin
- Played
- Wins
- Losses
- Kills
- Deaths
- Assists

MAP
- Name
- Number of Sites
- Win Percentage While Attacking First
- Win Percentage While Defending First

PASSIVE ABILITIES
- Agent Name
- AbilIity

BASIC ABILITIES
- Agent Name
- Abilility

AGENT
- Name
- Type
- Gender

SIGNATURE ABILITIES
- Agent Name
- AbilIity
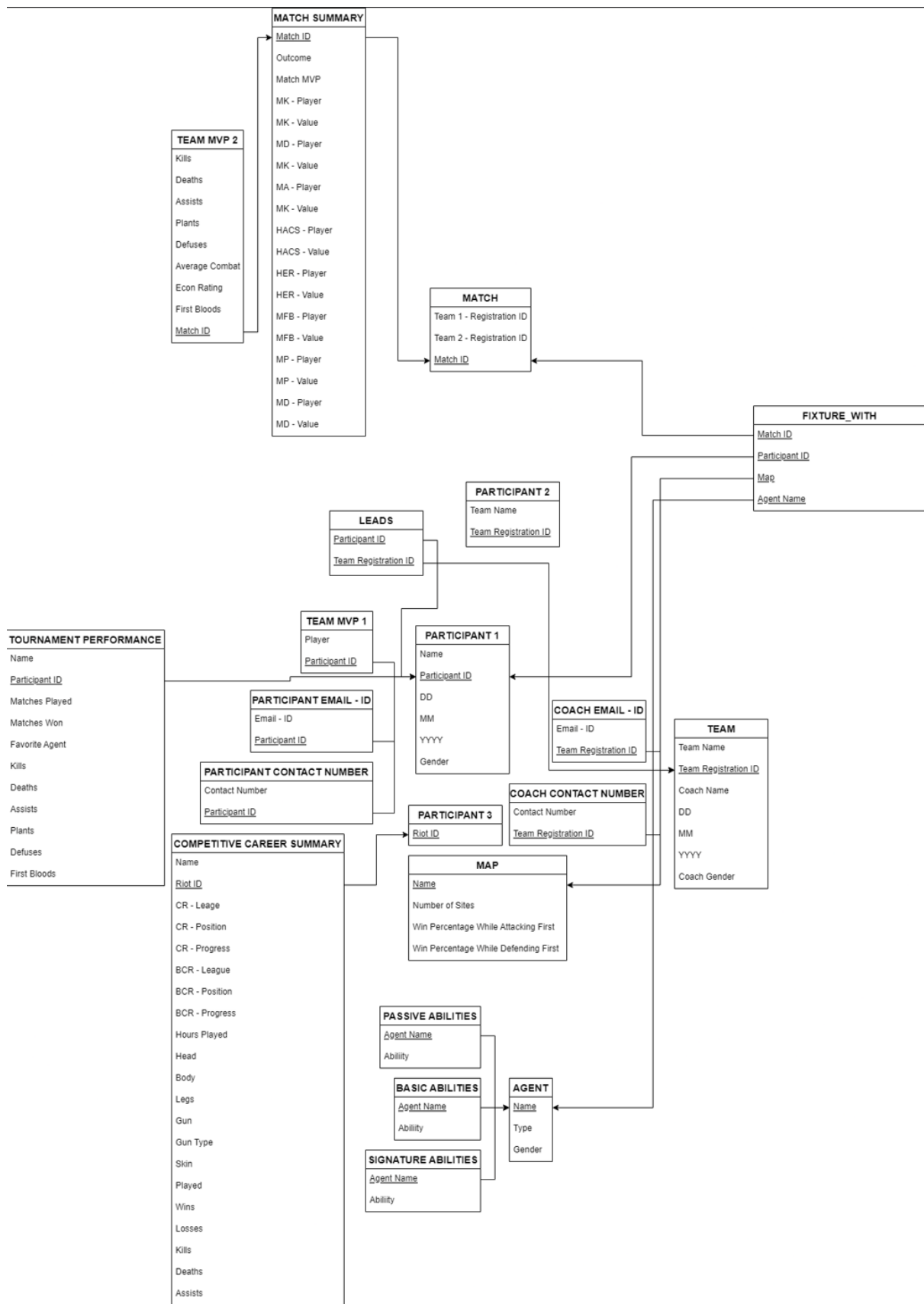
1NF

The initially formed relational model is already in the 1NF. This is because all the multi-valued and composite attributes have been broken down as separate relations and no nested relations exist as well. This conversion has been done with respect to the procedure mentioned in the book.

2NF

3NF

MATCH SUMMARY
- Match ID
- Outcome
- Match MVP
- MK - Player
- MK - Value
- MD - Player
- MK - Value
- MA - Player
- MK - Value
- HACS - Player
- HACS - Value
- HER - Player
- HER - Value
- MFB - Player
- MFB - Value
- MP - Player
- MP - Value
- MD - Player
- MD - Value

TEAM MVP 2
- Kills
- Deaths
- Assists
- Plants
- Defuses
- Average Combat
- Econ Rating
- First Bloods
- Match ID

MATCH
- Team 1 - Registration ID
- Team 2 - Registration ID
- Match ID

FIXTURE_WITH
- Match ID
- Participant ID
- Map
- Agent Name

PARTICIPANT 2
- Team Name
- Team Registration ID

LEADS
- Participant ID
- Team Registration ID

TEAM MVP 1
- Player
- Participant ID

PARTICIPANT 1
- Name
- Participant ID
- DD
- MM
- YYYY
- Gender

TOURNAMENT PERFORMANCE
- Name
- Participant ID
- Matches Played
- Matches Won
- Favorite Agent
- Kills
- Deaths
- Assists
- Plants
- Defuses
- First Bloods

PARTICIPANT EMAIL - ID
- Email - ID
- Participant ID

PARTICIPANT CONTACT NUMBER
- Contact Number
- Participant ID

COACH EMAIL - ID
- Email - ID
- Team Registration ID

COACH CONTACT NUMBER
- Contact Number
- Team Registration ID

TEAM
- Team Name
- Team Registration ID
- Coach Name
- DD
- MM
- YYYY
- Coach Gender

PARTICIPANT 3
- Riot ID

COMPETITIVE CAREER SUMMARY
- Name
- Riot ID
- CR - Leage
- CR - Position
- CR - Progress
- BCR - League
- BCR - Position
- BCR - Progress
- Hours Played
- Head
- Body
- Legs
- Gun
- Gun Type
- Skin
- Played
- Wins
- Losses
- Kills
- Deaths
- Assists

MAP
- Name
- Number of Sites
- Win Percentage While Attacking First
- Win Percentage While Defending First

PASSIVE ABILITIES
- Agent Name
- Ability

BASIC ABILITIES
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- MP - Value
- MD - Player
- MD - Value

TEAM MVP 2
- Kills
- Deaths
- Assists
- Plants
- Defuses
- Average Combat
- Econ Rating
- First Bloods
- Match ID

MATCH
- Team 1 - Registration ID
- Team 2 - Registration ID
- Match ID

FIXTURE_WITH
- Match ID
- Participant ID
- Map
- Agent Name

PARTICIPANT 2
- Team Name
- Team Registration ID

LEADS
- Participant ID
- Team Registration ID

TEAM MVP 1
- Player
- Participant ID

PARTICIPANT 1
- Name
- Participant ID
- DD
- MM
- YYYY
- Gender

COACH EMAIL - ID
- Email - ID
- Team Registration ID

TEAM 1
- Team Name
- Team Registration ID

TOURNAMENT PERFORMANCE
- Name
- Participant ID
- Matches Played
- Matches Won
- Favorite Agent
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PARTICIPANT EMAIL - ID
- Email - ID
- Participant ID

PARTICIPANT CONTACT NUMBER
- Contact Number
- Participant ID

COACH CONTACT NUMBER
- Contact Number
- Team Registration ID

TEAM 2
- Coach Name
- DD
- MM
- YYYY
- Coach Gender

PARTICIPANT 3
- Riot ID

COMPETITIVE CAREER SUMMARY
- Name
- Riot ID
- CR - Leage
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