Restaurant database

You frequently get out of town visitors who ask for pointers for recommendations regarding NYC restaurants. Thus, you keep a database of your favorite restaurants. In your database you keep the information about the restaurant cuisine, its location, the year it was established and average bill that you pay there for a dinner for two.

Though you are a self-proclaimed foodie and keep in the database only those restaurants that you visited and liked, there are several food critics whose opinion you trust. You keep information about these food critics in the database. Whenever you see a review from a critic in your list, you insert this information in the database, you try to keep the brief comments about every review.

The database tables are below (bold+underscore = primary key; italics = foreign key):

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Rstaurant (restCode, Name, Cuisine, Borough, YearEst, AvgPrice)

Critic(cID, FirstName, LastName, Affilication)

Rating (code, cID, restCode, stars, ratingDate, comments)
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Restaurant

restCode	Name	Cuisine	Borough	YearEst	AvgPrice
101	Pok Pok	Thai	Brooklyn	2005	100.00
102	Kiin Thai	Thai	Manhattan	2013	75.00
103	Carbone	Italian	Manhattan	2010	150.00
104	Il Mulino	Italian	Manhattan	1999	250.00
105	Don Peppe	Italian	Queens	1998	75.00
106	Loukoumi Taverna	Greek	Queens	1994	130.00
107	Nisi	Greek	Manhattan	2014	100.00
108	Ela Taverna	Greek	Brooklyn	2015	150.00
109	Jianbing Company	Chinese	Brooklyn	2010	75.00
110	Han Dynasty	Chinese	Manhattan	2012	125.00
111	Antonio Trattoria	Italian	Bronx	2008	75.00

Critic

cID	FirstN	LastN	affiliation
201	Sarah	Martinez	NYT
202	Daniel	Lewis	WP
203	Brittany	Harris	Vouge
204	Mike	Anderson	
205	Chris	Jackson	NYT
206	Elizabeth	Thomas	Chronicle
207	James	Cameron	NYP
208	Ashley	White	NYT
209	George	Clarke	
210	Sean	Thompson	NYP

Rating

code	cID	restCode	starRating	ratingDate	Comments
R1	201	101	2	13-NOV-14	Good food, bad service
R2	201	101	4	15-JAN-17	Amazing deserts, so-so appetizers
R3	202	106	4		Great atmosphere, friendly staff
R4	203	103	2	01-FEB-15	Disappointed
R5	203	108	4	01-MAR-16	Great fish
R6	203	108	2	30-JUN-18	Not as good as before
R7	204	101	3	23-OCT-17	
R8	205	103	3	16-FEB-12	
R9	205	104	2	16-FEB-00	
R10	205	108	5		Must try fish

R11	206	107	3	02-JUL-16	Great food, rude staff
R12	206	106	5	21-DEC-01	Loved everything
R13	208	104	3	30-JUN-03	Overpriced
R14	209	104	3	30-JUN-05	

Restaurant:
- Type:
  - restCode: numeric (3)
  - Name: varchar2(30)
  - Cuisine: varchar2(25)
  - Borough: varchar2(25)
  - YearEst: smallint
  - AvgPrice: numeric(5,2)

- Constraints;
  - None of the values can be null
  - restCode is the primary key
  - YearEst >= 1990 and YearEst <= 2019

Critic:
- Type:
  - cID: numeric (3)
  - firstN: varchar2(25)
  - lastN: varchar2(30)
  - affiliation: varchar2(25)
- Constraints
  - only affiliation can be null
  - cID is the primary key

Rating
- Type:
  - code: char(4)
  - cID: numeric (3)
  - restCode: numeric (3)
  - starRating numeric(1)

- ratingDate: date
- comments: varchar2(250)

- Constraints
  - ratingDate can be null
  - comments can be null
  - code is the primary key
  - starRating >= 0 and starRating <= 5
  - YearEst >= 1990 and YearEst <= 2019