|  |
| --- |
| **Bar** |
| Name – Generate by using a mixmatch of cool names |
| License – Generate by using |
| City |
| State |
| Phone |
| Addr |
| Open Hours – 12 hours AM/PM |
| Close Hours – 12 hours AM/PM |

|  |
| --- |
| **Beers** |
| Name |
| Manf |

|  |
| --- |
| **Drinker** |
| Name |
| City |
| State |
| Phone |
| Address |

Relation – Swing table

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| --- |
| **Frequents** |
| Drinker |
| Bar |

Relation

|  |
| --- |
| **Likes** |
| Drinker |
| Beer |

\*\*Beneficial to get list of hour frames for each bar, can be multiple splits

\*\*Also beneficial to get list of all Foods,beers,softdrink a bar has

\*\*Also beneficial to get random gen list of all taxes and tips each unique sells gets

\*\*\*Remember Normal tax is fixed

|  |
| --- |
| **Food\_Sells – all food possible to be sold + bar and price,tax** |
| Bar – what bar to sell food – PK |
| Food – what type of food – PK a + |
| Hours – what hours span (12) – PK – not required |
| Price – what price food costs within that hours span |
| Tax – tax imposed dependent |

|  |
| --- |
| **Beer\_Sells – all beer possible to be sold + bar and price,tax** |
| Bar – what bar to sell beer – PK |
| Beer – what type of beer – PK |
| Hours – what hours span (12) – PK |
| Price – what price beer costs within that hours span |
| Tax – tax imposed dependent |

|  |
| --- |
| **Soft\_Drink\_Sells – all soft\_drinks possible to be sold + bar and price,tax** |
| Bar – what bar to sell soft\_drink – PK |
| Soft Drink – what type of soft\_drink – PK |
| Hours – what hours span (12)- PK |
| Price – what price soft\_drink costs within that hours span |
| Tax – tax imposed dependent |

|  |
| --- |
| **Food\_Transaction** |
| Bar – PK |
| Drinker – PK |
| Food – type of food - PK |
| Price – how much it costs + tax – take into account hours too |
| Tip – how much extra given – PK |
| Time – when sale trans happened - PK |

|  |
| --- |
| **Beer\_Transaction** |
| Bar – PK |
| Drinker – PK |
| Beer – type of beer – PK |
| Price – how much it costs + tax – take into account hours too |
| Tip – how much extra given – PK |
| Time – when beer trans happened - PK |

|  |
| --- |
| **Soft\_Drink\_Transaction** |
| Bar – PK |
| Drinker – drinker – PK |
| Soft\_Drink – drink sold - PK |
| Price – how much it costs + tax - take into account hours too |
| Tip – how much extra given - PK |
| Time – when soft drink trans happened – PK |

1. Transaction/bills cannot be issued during closing times for bar
2. Drinkers cannot frequent bars in different state
3. Different bars can charge different price for same beer, but b1 can be either >b2 or b1 <b2