A.1 Table and Column Names Sorted by Column Names

Column Name	Table Names
Address	FREQUENTFLYERS
Boarded	INTERNATIONALFLIGHTS MARCHFLIGHTS
City	FREQUENTFLYERS STAFFCHANGES STAFFMASTER
Date	FLIGHTDELAYS FLIGHTSCHEDULE INTERNATIONALFLIGHTS MARCHFLIGHTS
DateOfBirth	PAYROLLCHANGES PAYROLLMASTER
DateOfHire	PAYROLLCHANGES PAYROLLMASTER
DayOfWeek	FLIGHTDELAYS
Delay	FLIGHTDELAYS
DelayCategory	FLIGHTDELAYS
DepartureTime	MARCHFLIGHTS
Deplaned	MARCHFLIGHTS
Destination	FLIGHTDELAYS FLIGHTSCHEDULE INTERNATIONALFLIGHTS MARCHFLIGHTS
DestinationType	FLIGHTDELAYS
Distance	MARCHFLIGHTS
EmpID	FLIGHTSCHEDULE MECHANICSLEVEL1 MECHANICSLEVEL2 MECHANICSLEVEL3 PAYROLLCHANGES PAYROLLMASTER STAFFCHANGES STAFFMASTER SUPERVISORS

Column Name	Table Names
FFID	FREQUENTFLYERS
FirstName	STAFFCHANGES STAFFMASTER
FlightNumber	FLIGHTDELAYS FLIGHTSCHEDULE INTERNATIONALFLIGHTS MARCHFLIGHTS
Freight	MARCHFLIGHTS
Gender	PAYROLLCHANGES PAYROLLMASTER
JobCategory	SUPERVISORS
JobCode	MECHANICSLEVEL1 MECHANICSLEVEL2 MECHANICSLEVEL3 PAYROLLCHANGES PAYROLLMASTER
LastName	STAFFCHANGES STAFFMASTER
Mail	MARCHFLIGHTS
MemberType	FREQUENTFLYERS
MilesTraveled	FREQUENTFLYERS
Name	FREQUENTFLYERS
Nonrevenue	MARCHFLIGHTS
Origin	FLIGHTDELAYS MARCHFLIGHTS
PassengerCapacity	MARCHFLIGHTS
PhoneNumber	FREQUENTFLYERS STAFFCHANGES STAFFMASTER
PointsEarned	FREQUENTFLYERS
PointsUsed	FREQUENTFLYERS
Salary	MECHANICSLEVEL1 MECHANICSLEVEL2 MECHANICSLEVEL3 PAYROLLCHANGES PAYROLLMASTER

Column Name	Table Names
State	FREQUENTFLYERS
	STAFFCHANGES
	STAFFMASTER
	SUPERVISORS
Transferred	MARCHFLIGHTS
ZipCode	FREQUENTFLYERS

B.1 Table and Column Names Sorted by Table Name

Table Name	Column Name	Column Type	Column Length	Column Format
FLIGHTDELAYS	FlightNumber	char	3	
	Date	num	8	DATE9.
	Origin	char	3	
	Destination	char	3	
	DelayCategory	char	15	
	DestinationType	char	15	
	DayOfWeek	num	8	
	Delay	num	8	
FLIGHTSCHEDULE	FlightNumber	char	3	$3.
	Date	num	8	DATE9.
	Destination	char	3	$3.
	EmpID	char	4	
FREQUENTFLYERS	FFID	char	6	
	MemberType	char	6	
	Name	char	25	$18.
	Address	char	20	
	PhoneNumber	char	12	
	City	char	20	$20.
	State	char	2	$2.
	ZipCode	char	5	$5.
	MilesTraveled	num	8	10.
	PointsEarned	num	8	10.
	PointsUsed	num	8	10.
INTERNATIONALFLIGHTS	FlightNumber	char	3	
	Date	num	8	DATE9.
	Destination	char	3	
	Boarded	num	8	

Table Name	Column Name	Column Type	Column Length	Column Format
MARCHFLIGHTS	FlightNumber	char	3	
	Date	num	8	DATE9.
	DepartureTime	num	8	TIME5.
	Origin	char	3	
	Destination	char	3	
	Distance	num	8	
	Mail	num	8	
	Freight	num	8	
	Boarded	num	8	
	Transferred	num	8	
	Nonrevenue	num	8	
	Deplaned	num	8	
	PassengerCapacity	num	8	
MECHANICSLEVEL1	EmpID	char	4	
	JobCode	char	3	
	Salary	num	8	DOLLAR9.
MECHANICSLEVEL2	EmpID	char	4	
	JobCode	char	3	
	Salary	num	8	DOLLAR9.
MECHANICSLEVEL3	EmpID	char	4	
	JobCode	char	3	
	Salary	num	8	DOLLAR9.
PAYROLLCHANGES	EmpID	char	4	
	Gender	char	1	
	JobCode	char	3	
	Salary	num	8	DOLLAR9.
	DateOfBirth	num	8	DATE9.
	DateOfHire	num	8	DATE9.
PAYROLLMASTER	EmpID	char	4	
	Gender	char	1	
	JobCode	char	3	
	Salary	num	8	DOLLAR9.
	DateOfBirth	num	8	DATE9.
	DateOfHire	num	8	DATE9.

Table Name	Column Name	Column Type	Column Length	Column Format
STAFFCHANGES	EmpID	char	4	
	LastName	char	15	
	FirstName	char	15	
	City	char	15	
	State	char	2	
	PhoneNumber	char	12	
STAFFMASTER	EmpID	char	4	
	LastName	char	15	
	FirstName	char	15	
	City	char	15	
	State	char	2	
	PhoneNumber	char	12	
SUPERVISORS	EmpID	char	4	
	State	char	2	
	JobCategory	char	2	

C.1 Partial Table Listings

AIRLINE.FLIGHTDELAYS Table

Flight Number	Date	Origin	Destination	Delay Category	Destination Type	Day Of Week	Delay
182	01MAR2000	LGA	YYZ	No Delay	International	4	0
114	01MAR2000	LGA	LAX	1-10 Minutes	Domestic	4	8
202	01MAR2000	LGA	ORD	No Delay	Domestic	4	-5
219	01MAR2000	LGA	LHR	11+ Minutes	International	4	18
439	01MAR2000	LGA	LAX	No Delay	Domestic	4	-4

AIRLINE.FLIGHTSCHEDULE Table

Flight Number	Date	Destination	Emp ID
132	01MAR2000	YYZ	1739
132	01MAR2000	YYZ	1478
132	01MAR2000	YYZ	1130
132	01MAR2000	YYZ	1390
132	01MAR2000	YYZ	1983

AIRLINE.FREQUENTFLYERS Table

FFID	Member Type	Name	Address	PhoneNumber
WD7152	BRONZE	COOPER, LESLIE	66 DRIVING WAY	501/377-0703
WD8472	BRONZE	LONG, RUSSELL	9813 SUMTER SQUARE	501/367-1097
WD1576	GOLD	BRYANT, ALTON	763 THISTLE DRIVE	501/776-0631
WD3947	SILVER	NORRIS, DIANE	77 PARKWAY PLAZA	501/377-3739
WD9347	SILVER	PEARSON, BRYAN	9999 MARKUP MANOR	501/855-4780

City	State	Zip Code	Miles Traveled	Points Earned	PointsUsed
Little Rock	AR	72201	30833	31333	0
Monticello	AR	71655	25570	26070	0
Bauxite	AR	72011	56144	58644	27000
North Little Rock	AR	72119	40922	45922	23000
Bella Vista	AR	72714	4839	9839	0

AIRLINE.INTERNATIONALFLIGHTS Table

Flight Number	Date	Destination	Boarded
182	01MAR2000	YYZ	104
219	01MAR2000	LHR	198
387	01MAR2000	CPH	152
622	01MAR2000	FRA	207
821	01MAR2000	LHR	205

AIRLINE.MARCHFLIGHTS Table

FlightNumber	Date	DepartureTime	Origin	Destination	Distance	Mail	Freight	Boarded	Transferred	Nonrevenue	Deplaned	PassengerCapacity
182	01MAR2000	8:21	LGA	YYZ	366	458	390	104	16	3	123	178
114	01MAR2000	7:10	LGA	LAX	2475	357	390	172	18	6	196	210
202	01MAR2000	10:43	LGA	ORD	740	369	244	151	11	5	157	210
219	01MAR2000	9:31	LGA	LHR	3442	412	334	198	17	7	222	250
439	01MAR2000	12:16	LGA	LAX	2475	422	267	167	13	5	185	210

AIRLINE.MECHANICSLEVEL1 Table

Emp ID	Job Code	Salary
1400	ME1	$41,677
1403	ME1	$39,301
1120	ME1	$40,067
1121	ME1	$40,757
1412	ME1	$38,919

```
                        AIRLINE.MECHANICSLEVEL2 Table

              Emp      Job
               ID      Code      Salary

              1653     ME2       $49,151
              1782     ME2       $49,483
              1244     ME2       $51,695
              1065     ME2       $49,126
              1129     ME2       $48,901
```

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                        AIRLINE.MECHANICSLEVEL3 Table

              Emp      Job
               ID      Code      Salary

              1499     ME3       $60,235
              1409     ME3       $58,171
              1379     ME3       $59,170
              1521     ME3       $58,136
              1385     ME3       $61,460
```

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                        AIRLINE.PAYROLLCHANGES Table

          Emp              Job                  DateOf      DateOf
           ID    Gender    Code      Salary     Birth        Hire

          1639     F       TA3      $59,164    30JUN1955   31JAN1982
          1065     M       ME3      $53,326    29JAN1942   10JAN1985
          1561     M       TA3      $51,120    03DEC1961   10OCT1985
          1221     F       FA3      $41,854    25SEP1965   07OCT1989
          1447     F       FA1      $30,972    11AUG1970   01NOV2000
```

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                        AIRLINE.PAYROLLMASTER Table

          Emp              Job                  DateOf      DateOf
           ID    Gender    Code      Salary     Birth        Hire

          1919     M       TA2      $48,126    16SEP1958   07JUN1985
          1653     F       ME2      $49,151    19OCT1962   12AUG1988
          1400     M       ME1      $41,677    08NOV1965   19OCT1988
          1350     F       FA3      $46,040    04SEP1963   01AUG1988
          1401     M       TA3      $54,351    16DEC1948   21NOV1983
```

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                      AIRLINE.STAFFCHANGES Table

   Emp                 First
    ID    LastName      Name      City       State   PhoneNumber


   1639   CARTER        KAREN     STAMFORD    CT     203/781-8839
   1065   CHAPMAN       NEIL      NEW YORK    NY     718/384-5618
   1561   SANDERS       RAYMOND   NEW YORK    NY     212/588-6615
   1221   WALTERS       DIANE     NEW YORK    NY     718/384-1918
   1447   BRIDESTON     AMY       NEW YORK    NY     718/384-1213
```

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                      AIRLINE.STAFFMASTER Table

   Emp                 First
    ID    LastName      Name      City        State   PhoneNumber


   1919   ADAMS         GERALD    STAMFORD     CT     203/781-1255
   1653   ALEXANDER     SUSAN     BRIDGEPORT   CT     203/675-7715
   1400   APPLE         TROY      NEW YORK     NY     212/586-0808
   1350   ARTHUR        BARBARA   NEW YORK     NY     718/383-1549
   1401   AVERY         JERRY     PATERSON     NJ     201/732-8787
```

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                      AIRLINE.SUPERVISORS Table

                  Emp            Job
                   ID   State   Category

                  1677   CT       BC
                  1834   NY       BC
                  1431   CT       FA
                  1433   NJ       FA
                  1983   NY       FA
```