# Function Dependency Set

**User:**

{

       UserID  ->  username

       UserID  ->  Email ID

       UserID  ->  Password

       UserID  ->  Rating

       UserID  ->  Contribution

       UserID  ->  Institute

       UserID  ->  Country

       UserID  ->  Last Online

}

Key={UserID}

BCNF ☑

**Submission:**

{

       SubmissionID  ->  Submission time

       SubmissionID  ->  UserID

       SubmissionID  ->  Status

       SubmissionID  ->  exec memory

       SubmissionID  ->  exec time

       SubmissionID  ->  ContestID

       SubmissionID  ->  ProblemID

}

Key = {SubmissionID}

BCNF ☑

## Problem :

{

       {ContestID, ProblemID}  ->  type

       {ContestID, ProblemID}  ->  Time Constraint

       {ContestID, ProblemID}  ->  Memory Constraint

}

Key : {ContestID, ProblemID}

BCNF ☑

**Tag:**
{

      TagID -> TagName

}

Key : {TagID}

BCNF ☑

**Contest:**
{

      ContestID  ->  type

      ContestID  ->  duration

      ContestID  ->  date

}

Key : {ContestID}

BCNF ☑

**Blog:**
{

      BlogID  ->  time

      BlogID  ->  content

      BlogID  ->  upvote

      BlogID  ->  downvote

      BlogID  ->  WriterID

}

Key : {BlogID}

BCNF ☑

**Gives:**
{

      {UserID, ContestID}  ->  Rating change

      {UserID, ContestID}  ->  Rank

}

Key: {UserID,ContestID}

BCNF ☑

**Messages:**

{

       {SenderID, ReceiverID,Time}  ->  Message Body

}

Key: {SenderID, ReceiverID, Time}

BCNF ☑

**Comments:**

{

       {UserID, BlogID, Time }  ->  Comment Body

}

Key: {UserID, BlogID, Time}

BCNF ☑