Field Specification Solution

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| Table | Field Name | Description | Key Type | Data Type | Length | Null Support | Index | Default Value | Value Range |
| USPresidents | PresidentName | The president’s full name. | PK | VarChar | 25 | NOT NULL | Yes |  |  |
| FormerOccupation | The president’s job before becoming president. |  | Text |  | NULL |  |  |  |
| PresPoliticalParty | The president’s political party. |  | VarChar | 25 | NULL | Yes |  |  |
| PresHomeState | The president’s home state. |  | VarCar | 50 | NOT NULL | Yes |  |  |
| HeightCM | The president’s height in cm. |  | Int |  | NOT NULL | Yes |  |  |
| Presidencies | PresidentNumber | The president’s numerical order in history. | PK | Int |  | NOT NULL | Yes |  |  |
| PresidentName | The president’s full name. | FK | VarChar | 25 | NOT NULL |  |  |  |
| PresTermStart | The starting year of the president’s term(s). |  | Int |  | NOT NULL | Yes |  |  |
| PresTermEnd | The end of the president’s term(s). |  | Int |  | NULL | Yes |  |  |
| VicePresidents | VPName | The vice president’s full name. | PK | VarChar | 25 | NOT NULL | Yes |  |  |
| VPPoliticalParty | The vice president’s political party. |  | VarChar | 25 | NULL | Yes |  |  |
| VPHomeState | The vice president’s home state. |  | VarChar | 50 | NOT NULL | Yes |  |  |
| VicePresidencies | VPNumber | The vice president’s numerical order in history. | PK | Int |  | NOT NULL | Yes |  |  |
| VPName | The vice president’s full name. | FK | VarChar | 25 | NOT NULL |  |  |  |
| VicePresPairings | VicePresPairingID | An arbitrary pairing ID for the president and the vice president. | PK | Int |  | NOT NULL | Yes |  |  |
| PresidentName | The president’s full name. | FK | VarChar | 25 | NOT NULL |  |  |  |
| VPName | The vice president’s full name. | FK | VarChar | 25 | NOT NULL |  |  |  |
| PairingTermStart | The starting year of the pairing’s term(s) together. |  | Int |  | NOT NULL | Yes |  |  |
| PairingTermEnd | The ending year of the pairing’s term(s) together. |  | Int |  | NULL | Yes |  |  |
| Universities | UniversityName | The name of the university. | PK | VarChar | 200 | NOT NULL | Yes |  |  |
| State | The state where the university’s campus is located. |  | VarChar | 50 | NOT NULL |  |  |  |
| Ranking | The university’s Forbes 2019 ranking. |  | Int |  | NOT NULL | Yes |  |  |
| PresidentAttendance | PresAttendanceID | An arbitrary ID for the president’s attendance at a university. | PK | Int |  | NOT NULL | Yes |  |  |
| UniversityName | The name of the university that the president attended. | FK | VarChar | 200 | NOT NULL |  |  |  |
| PresidentName | The president’s full name. | FK | VarChar | 25 | NOT NULL |  |  |  |
| PresWithdrawYesNo | Whether or not the president withdrew from the university. |  | VarChar | 3 | NOT NULL | Yes |  | “Yes” or “No” |
| PresTransferOutYesNo | Whether or not the president transferred out of the university. |  | VarChar | 3 | NOT NULL | Yes |  | “Yes” or “No” |
| VPAttendance | VPAttendanceID | An arbitrary ID for the vice president’s attendance at a university. | PK | Int |  |  | Yes |  |  |
| UniversityName | The name of the university that the vice president attended. | FK | VarChar | 200 | NOT NULL |  |  |  |
| VPName | The vice president’s full name. | FK | VarChar | 25 | NOT NULL |  |  |  |
| VPWithdrawYesNo | Whether or not the vice president withdrew from the university. |  | VarChar | 3 | NOT NULL | Yes |  | “Yes” or “No” |