Data Requirements

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| **Users** | | Information use for Login | |  |  |  |  |
|  | Member Name | Description | Type | Constraint | Default | Is Required? | Is Unique? |
| 1 | UserID | Unique numeric identifier for the user. | Int | None | None | Y | Y |
| 2 | UserType | A name for the type of user. | Varchar:20 | a..z,A..Z,  0..9 | None | Y | Y |
| 3 | Password | Identifier associated to Username. | Varchar:20 | a..z,A..Z,  0..9, special characters  > 5 | None | Y | N |
| 4 | Email | Allows for admin to recover password | Varchar:255 | a..z,A..Z,0..9,@,\_,-,!,?,. | No | Y | Y |

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| **Members** | | Church members information | |  |  |  |  |
|  | Member Name | Description | Type | Constraint | Default | Is Required? | Is Unique? |
| 1 | FName | First name of church member. | Varchar:35 | a..z, A..Z, - | None | Y | N |
| 2 | LName | Last name of church member. | Varchar:35 | a..z,A..Z, - | None | Y | N |
| 3 | ParentFName | The member’s parent’s first name | Varchar:35 | a..z, A..Z, - | None | N | N |
| 4 | ParentLName | The member’s parent’s last name | Varchar:35 | a..z, A..Z, - | None | N |  |
| 5 | Address | Permanent mailing address of church member. | Varchar:100 | None | None | N | N |
| 6 | CellPhone | Ten digit cell phone number. | Varchar:20 | 0..9 | None | N | N |
| 7 | HomePhone | Ten digit home phone number. | Varchar:20 | 0..9 | None | N | N |
| 8 | WorkPhone | Ten digit work phone number. | Varchar:20 | 0..9 | None | N | N |
| 9 | Text | User willing to receive text messages through cell phone. | Bool | Yes, No | None | N | N |
| 10 | Email | Users email address. | Varchar:320 | a..z,A..Z,0..9,@,\_,-,!,?,. | None | N | N |
| 11 | Gender | User selection of male or female sexual orientation. | Enum | M, F | None | N | N |
| 12 | StatusID | User status to enter into specific survey. (Adult, Confirmed Youth, or Child) | Int | None | Adult | Y | N |
| 13 | MemberID | Primary Key of Member Identification. | Int | None | None | Y | Y |
| 14 | SurveyUpdated | Date that member’s survey was last updated | Date | None | None | Y | N |

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| **Survey Answers** | | Members choice selections | |  |  |  |  |
|  | Member Name | Description | Type | Constraint | Default | Is Required? | Is Unique? |
| 1 | SurveyAnswerID | Primary key identification for survey answer data | Int | None | None | Y | Y |
| 2 | ChoiceID | Foreign Key for Choices Identification. | Int | None | None | Y | N |
| 3 | MemberID | Foreign Key for Members Identification. | Int | None | None | Y | N |

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| **Choices** | | The individual checkbox choices for each section | |  |  |  |  |
|  | Member Name | Description | Type | Constraint | Default | Is Required? | Is Unique? |
| 1 | ChoiceID | Primary Key for Choices Identification. | Int | None | None | Y | Y |
| 2 | SectionID | Foreign Key for Section Identification. | Int | None | None | Y | N |
| 3 | Text | Choice associated to the selection of user. (checkbox selection) | Text | a..z,A..Z,  0..9 | None | N | Y |
| 4 | Description | Paragraph description of a particular text. | Text | a..z, A..Z, 0..9 | None | N | N |
| 5 | OldFlag | Survey admin capability to hide old choice from being seen by the survey taker. | Bool | Yes, No | No | Y | N |

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| **StatusOfChoices** | | Linking table between Status and Choices table | |  |  |  |  |
|  | Member Name | Description | Type | Constraint | Default | Is Required? | Is Unique? |
| 1 | StatusOfChoiceID | Primary key identification for StatusOfChoice data | Int | None | None | Y | Y |
| 2 | ChoiceD | Primary key for the choice identification. References Choices table | Int | None | None | Y | N |
| 3 | StatusID | Age range associated member identifier used for survey allocation. References status table. | Varchar:20 | a..z,A..Z, 0..9 | None | Y | N |
| 4 | Position | How far down the page the selection appears numerically. | Int | None | None | Y | N |

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| **Sections** | | The division of the choices | |  |  |  |  |
|  | Member Name | Description | Type | Constraint | Default | Is Required? | Is Unique? |
| 1 | SectionID | Primary key for the section identification. | Int | None | None | Y | Y |
| 2 | Text | The statement before the possible choices that prompts the person filling out the form. | Text | None | None | Y | Y |
| 3 | OldFlag | Survey admin capability to hide old question from being seen by the survey taker. | Bool | Yes, No | No | Y | N |
| 4 | Tag | A summarized description of the text column seen by the administrator when editing the survey. | Varchar: 50 | a..z,A..Z,  0..9 | None | N | N |

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| **StatusOfSections** | | Linking table between Status and Section tables | |  |  |  |  |
|  | Member Name | Description | Type | Constraint | Default | Is Required? | Is Unique? |
| 1 | StatusOfSectionID | Primary key identification of StatusOfSection data | Int | None | None | Y | Y |
| 2 | SectionID | Primary key for the section identification. References Section table. | Int | None | None | Y | N |
| 3 | StatusID | Age range associated member identifier used for survey allocation. References Status table | Int | a..z,A..Z, 0..9 | None | Y | N |
| 4 | Position | Numerical representation of the question within the section. | Int:20 | 0..9 | None | Y | N |

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| **Statuses** | | Member type. This table allows for the expansion of “Status” selection if need be. | |  |  |  |  |
|  | Member Name | Description | Type | Constraint | Default | Is Required? | Is Unique? |
| 1 | StatusID | Unique identifier for the status | Int | None | None | Y | Y |
| 2 | Type | Age range associated member identifier used for survey allocation. | Char:20 | a..z,A..Z, 0..9 | None | Y | Y |