CSRMS Database Table Schema

Logan Gauchat

# Table Schema 1.1

## UserAccounts

CREATE TABLE [dbo].[UserAccounts] (

email VARCHAR(100) PRIMARY KEY,

fname VARCHAR(50),

lname VARCHAR(50),

password VARCHAR(100)

);

## Categories

CREATE TABLE [dbo].[Categories] (

category\_id INT IDENTITY(1,1) PRIMARY KEY,

name VARCHAR(100)

);

## Tasks

CREATE TABLE [dbo].[Tasks ](

task\_id INT PRIMARY KEY IDENTITY(1,1),

title VARCHAR(100),

is\_complete BIT,

start\_date DATE,

due\_date DATE,

email VARCHAR(100),

location VARCHAR(100),

priority INT,

description TEXT,

FOREIGN KEY (email) REFERENCES [dbo].[UserAccounts](email)

);

## TaskCategories

CREATE TABLE [dbo].[TaskCategories] (

task\_id INT,

category\_id INT,

FOREIGN KEY (task\_id) REFERENCES [dbo].[Tasks](task\_id),

FOREIGN KEY (category\_id) REFERENCES [dbo].[Categories](category\_id)

);

## Reminders

CREATE TABLE [dbo].[Reminders] (

reminder\_id INT PRIMARY KEY IDENTITY(1,1),

message VARCHAR(255),

task\_id INT,

time DATETIME,

FOREIGN KEY (task\_id) REFERENCES [dbo].[Tasks](task\_id)

);

# Table Schema 1.2

CREATE TABLE [dbo].[Accounts] (

email VARCHAR(100) PRIMARY KEY,

fname VARCHAR(50),

lname VARCHAR(50),

password VARCHAR(100),

);

CREATE TABLE [dbo].[Categories] (

category\_id INT IDENTITY(1,1) PRIMARY KEY,

name VARCHAR(100)

);

CREATE TABLE [dbo].[Tasks](

task\_id INT PRIMARY KEY IDENTITY(1,1),

title VARCHAR(100),

is\_complete BIT,

start\_date DATE,

due\_date DATE,

email VARCHAR(100)

CONSTRAINT fk\_email

REFERENCES [dbo].[Accounts](email)

ON DELETE CASCADE,

location VARCHAR(100),

priority INT,

description TEXT,

FOREIGN KEY (email) REFERENCES [dbo].[Accounts](email)

);

CREATE TABLE [dbo].[Reminders] (

reminder\_id INT PRIMARY KEY IDENTITY(1,1),

message VARCHAR(255),

task\_id INT

CONSTRAINT fk\_category\_id

REFERENCES [dbo].[Tasks](task\_id)

ON DELETE CASCADE,

time DATETIME,

FOREIGN KEY (task\_id) REFERENCES [dbo].[Tasks](task\_id)

);

CREATE TABLE [dbo].[Tasks\_Categories] (

task\_id INT

CONSTRAINT fk\_task\_id

REFERENCES [dbo].[Tasks](task\_id)

ON DELETE CASCADE,

category\_id INT

CONSTRAINT fk\_category\_id

REFERENCES [dbo].[Categories](category\_id)

ON DELETE CASCADE,

CONSTRAINT fk\_pk\_primary

PRIMARY KEY (task\_id,category\_id)

);

CREATE TABLE [dbo].[Tasks\_Reminders] (

task\_id INT

CONSTRAINT fk\_task\_id

REFERENCES [dbo].[Tasks](task\_id)

ON DELETE CASCADE,

reminder\_id INT PRIMARY KEY IDENTITY(1,1)

CONSTRAINT fk\_reminder\_id

REFERENCES [dbo].[Reminders](reminder\_id)

ON DELETE CASCADE,

CONSTRAINT fk\_pk\_primary

PRIMARY KEY (task\_id,reminder\_id)

);

CREATE TABLE [dbo].[Account\_Tasks] (

email VARCHAR(100)

CONSTRAINT fk\_category\_id

REFERENCES [dbo].[UserAccounts](email)

ON DELETE CASCADE,

task\_id INT

CONSTRAINT fk\_category\_id

REFERENCES [dbo].[Tasks](task\_id)

ON DELETE CASCADE,

CONSTRAINT fk\_pk\_primary

PRIMARY KEY (email,task\_id)

);