Dokumentasjon av MySql for team1

## Generelt

**Tjener:**  [mysql-ait.stud.idi.ntnu.no](https://mysql-ait.stud.idi.ntnu.no/phpmyadmin/)

**Bruker:**  nilsrle

**Passord:**  TnAzsu4O

**Databasenavn:**  nilsrle

**phpMyAdmin lenke:** <https://mysql-ait.stud.idi.ntnu.no/phpmyadmin/>

## SQL kommandoer:

### Opprette tabeller

CREATE TABLE Location(

Name varchar(50),

Address varchar(255),

TelephoneNumber varchar(50),

PRIMARY KEY (Name)

);

CREATE TABLE AccountType(

Name varchar(25),

PRIMARY KEY (Name)

);

CREATE TABLE UserAccount (

Username varchar(50),

Password varchar(255),

Salt varchar(100),

AccountType varchar(25),

Location varchar(50),

FirstName varchar(255),

Surname varchar(255),

Email varchar(255),

TelephoneNumber varchar(50),

PRIMARY KEY (Username),

FOREIGN KEY (Location) REFERENCES Location(Name),

FOREIGN KEY (AccountType) REFERENCES AccountType(Name)

);

CREATE TABLE BicycleType (

Name varchar(50),

Description varchar(100),

GearSystem varchar(50),

WheelSize varchar(50),

FrameSize varchar(50),

RateHour int,

RateDay int,

PRIMARY KEY (Name)

);

CREATE TABLE EquipmentType (

Name varchar(50),

Description varchar(100),

RateHour int,

RateDay int,

PRIMARY KEY (Name)

);

CREATE TABLE Status(

Name varchar(30),

PRIMARY KEY (Name)

);

CREATE TABLE Bicycle (

BicycleID int NOT NULL AUTO\_INCREMENT,

BicycleType varchar(50),

DefaultLocation varchar(50),

CurrentLocation varchar(50),

Status varchar(30),

PRIMARY KEY (BicycleID),

FOREIGN KEY (BicycleType) REFERENCES BicycleType(Name),

FOREIGN KEY (DefaultLocation) REFERENCES Location(Name),

FOREIGN KEY (CurrentLocation) REFERENCES Location(Name),

FOREIGN KEY (Status) REFERENCES Status(Name)

);

CREATE TABLE Equipment (

EquipmentID int NOT NULL AUTO\_INCREMENT,

EquipmentType varchar(50),

DefaultLocation varchar(50),

CurrentLocation varchar(50),

Status varchar(30),

PRIMARY KEY (EquipmentID),

FOREIGN KEY (EquipmentType) REFERENCES EquipmentType(Name),

FOREIGN KEY (DefaultLocation) REFERENCES Location(Name),

FOREIGN KEY (CurrentLocation) REFERENCES Location(Name),

FOREIGN KEY (Status) REFERENCES Status(Name)

);

CREATE TABLE Customer (

CustomerID int NOT NULL AUTO\_INCREMENT,

FirstName varchar(255),

Surname varchar(255),

Email varchar(255),

TelephoneNumber varchar(50),

PRIMARY KEY(CustomerID)

);

CREATE TABLE Rentals (

RentalID int NOT NULL AUTO\_INCREMENT,

CustomerID int,

Username varchar(50),

PickupLocation varchar(50),

DeliveryLocation varchar(50),

PickupTime DATETIME,

DeliveryTime DATETIME,

Utleie\_Type varchar(20),

Utleie\_Type\_Antall int,

Total\_Pris int,

Comment varchar(255),

PRIMARY KEY (RentalID),

FOREIGN KEY (CustomerID) REFERENCES Customer(CustomerID),

FOREIGN KEY (Username) REFERENCES UserAccount(Username),

FOREIGN KEY (PickupLocation) REFERENCES Location(Name),

FOREIGN KEY (DeliveryLocation) REFERENCES Location(Name)

);

CREATE TABLE RentedBicycles (

BicycleID int,

RentalID int,

Price int,

DateFrom DATETIME,

DateTo DATETIME,

PRIMARY KEY(BicycleID, RentalID),

FOREIGN KEY (BicycleID) REFERENCES Bicycle(BicycleID),

FOREIGN KEY (RentalID) REFERENCES Rentals(RentalID)

);

CREATE TABLE RentedEquipment (

EquipmentID int,

RentalID int,

Price int,

DateFrom DATETIME,

DateTo DATETIME,

PRIMARY KEY(EquipmentID, RentalID),

FOREIGN KEY (EquipmentID) REFERENCES Equipment(EquipmentID),

FOREIGN KEY (RentalID) REFERENCES Rentals(RentalID)

);

CREATE TABLE Invoice(

InvoiceNumber int NOT NULL AUTO\_INCREMENT,

CustomerID int,

RentalID int,

InvoiceDate DATETIME,

DueDate DATETIME,

KIDnumber int,

Amount int,

RentalSummary text,

PRIMARY KEY(InvoiceNumber),

FOREIGN KEY (CustomerID) REFERENCES Customer(CustomerID),

FOREIGN KEY (RentalID) REFERENCES Rentals(RentalID)

);

### Generere standard innhold

INSERT INTO Location(Name, Address, TelephoneNumber)

Values('Haugastøl', 'Haugastølvegen 8', '12345678'),

('Finse', 'Rallarvegen 26', '87654321'),

('Flåm', 'Flåmdalsvegen 34', '11111111'),

('Myrdal', 'Rallarvegen 1', '22222222'),

('Voss', 'Uttrågata 5', '33333333');

INSERT INTO Status(Name)

Values ('Ledig'),

('Service'),

('Utleid');

INSERT INTO AccountType(Name)

Values ('Administrator'),

('Selger'),

('Lagermedarbeider');

INSERT INTO UserAccount (Username, Password, Salt, AccountType, Location, FirstName, Surname, Email, TelephoneNumber)

Values('Admin', 'kHka8QntjBU/Fe0NQ/rHvW5URVtRz2nZLMYDEGmGnHw=', 'MOJukjgAv77Iah45eZUu/Czsi3KQxlnilSyi2GHuQ2A=', 'Administrator', 'Haugastøl', 'Admin', 'istrator', 'administrator@assykkelutleie.no','12345678') ;

### Slette tabeller og innhold

DROP TABLE Invoice;

DROP TABLE RentedEquipment;

DROP TABLE RentedBicycles;

DROP TABLE Rentals;

DROP TABLE Customer;

DROP TABLE Equipment;

DROP TABLE Bicycle;  
DROP TABLE Status;

DROP TABLE EquipmentType;

DROP TABLE BicycleType;

DROP TABLE UserAccount;

DROP TABLE AccountType;

DROP TABLE Location;