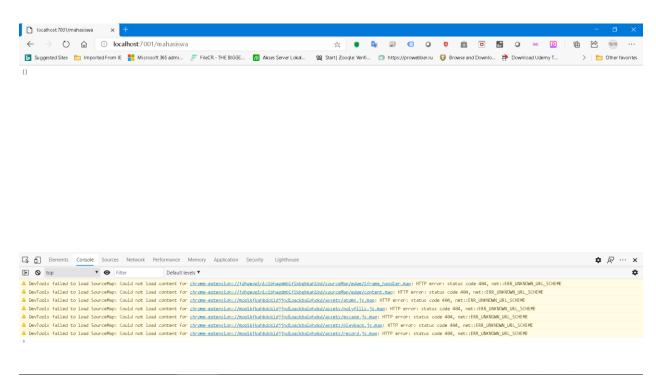
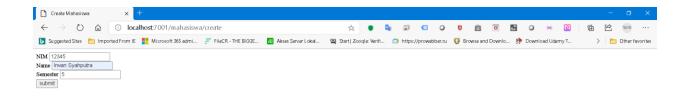
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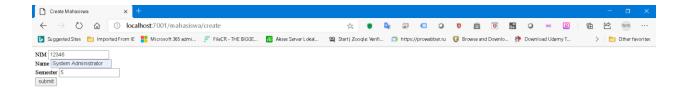


Show all data mahasiswa



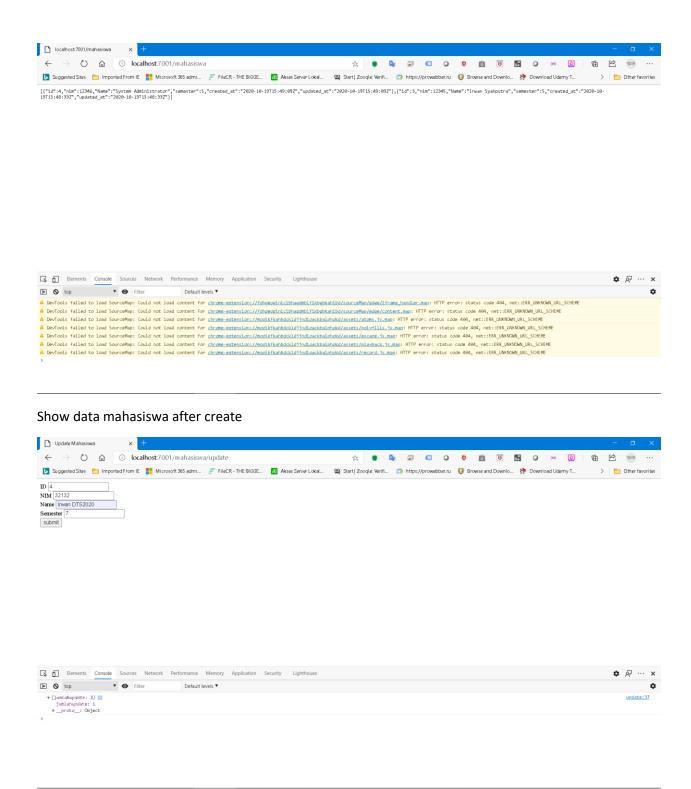


Create new mahasiswa 1





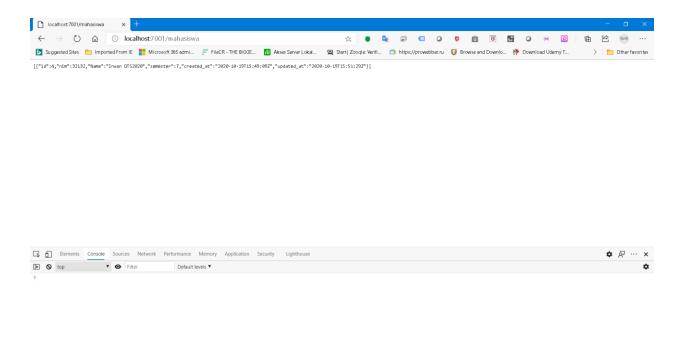
Create new mahasiswa 2



Update Mahasiswa Id 4



Delete Mahasiswa Id 3



Show After Delete

Sources Main.go

```
package main
import (
   "be3gomy/config"
    "be3gomy/mahasiswa"
    "be3gomy/model"
   "be3gomy/utils"
    "database/sql"
    "encoding/json"
    "fmt"
    "log"
    "net/http"
const addr = :7001
type Server struct {
       *sql.DB
   db
    ViewDir string
type handler func(w http.ResponseWriter, r *http.Request)
```

```
type H map[string]interface{}
func InitServer() *Server {
   db, err := config.Mysql()
    if err != nil {
        log.Fatal(err)
   return &Server{
        db:
                 db.
       ViewDir: `views/`,
func (s *Server) Listen() {
    log.Println(`listen at ` + addr)
   http.HandleFunc(`/mahasiswa`, s.Mahasiswa())
   http.HandleFunc(`/mahasiswa/create`, s.MahasiswaCreate())
   http.HandleFunc(`/mahasiswa/update`, s.MahasiswaUpdate())
   http.HandleFunc(`/mahasiswa/delete`, s.MahasiswaDelete())
    err := http.ListenAndServe(addr, nil)
   if err != nil {
        fmt.Println(err)
func (s *Server) Mahasiswa() handler {
    return func(w http.ResponseWriter, r *http.Request) {
        mahasiswas, err := mahasiswa.SelectAll(s.db)
        if utils.IsError(w, err) {
            return
       utils.ResponseJson(w, mahasiswas)
func (s *Server) MahasiswaCreate() func(http.ResponseWriter, *http.Request) {
    return func(w http.ResponseWriter, r *http.Request) {
        if r.Method == `GET` {
            http.ServeFile(w, r, s.ViewDir+`mahasiswa create.html`)
            return
        m := model.Mahasiswa{}
        err := json.NewDecoder(r.Body).Decode(&m)
        if utils.IsError(w, err) {
            return
```

```
err = mahasiswa.Insert(s.db, &m)
        if utils.IsError(w, err) {
            return
       utils.ResponseJson(w, m)
func (s *Server) MahasiswaUpdate() func(http.ResponseWriter, *http.Request) {
   return func(w http.ResponseWriter, r *http.Request) {
       if r.Method == `GET` {
            http.ServeFile(w, r, s.ViewDir+`mahasiswa_update.html`)
            return
       m := model.Mahasiswa{}
       ru := model.ResponseUpdate{}
       err := json.NewDecoder(r.Body).Decode(&m)
       if utils.IsError(w, err) {
            return
       err = mahasiswa.Update(s.db, &m, &ru)
        if utils.IsError(w, err) {
            return
       utils.ResponseJson(w, ru)
func (s *Server) MahasiswaDelete() func(http.ResponseWriter, *http.Request) {
   return func(w http.ResponseWriter, r *http.Request) {
       if r.Method == `GET` {
            http.ServeFile(w, r, s.ViewDir+`mahasiswa_delete.html`)
            return
       m := model.Mahasiswa{}
       rd := model.ResponseDelete{}
       err := json.NewDecoder(r.Body).Decode(&m)
       if utils.IsError(w, err) {
            return
       err = mahasiswa.Delete(s.db, &m, &rd)
        if utils.IsError(w, err) {
            return
       utils.ResponseJson(w, rd)
```

Repo

```
import (
    "be3gomy/model"
    "database/sql"
    "fmt"
    "time"
)

const table = `mahasiswa`
const dateformat = `2006-01-02 15:04:05`

func SelectAll(db *sql.DB) (mahasiswas []model.Mahasiswa, err error) {
    sql := fmt.Sprintf(`SELECT * FROM %s ORDER BY id DESC`, table)
    rows, err := db.Query(sql)
    if err != nil {
        return nil, err
    }
    defer rows.Close()
```

```
mahasiswas = []model.Mahasiswa{}
    for rows.Next() {
        m := model.Mahasiswa{}
        createdAt, updatedAt := ``, ``
        err = rows.Scan(&m.ID,
            &m.NIM,
            &m.Name,
            &m.Semester,
            &createdAt,
            &updatedAt)
        m.CreatedAt, _ = time.Parse(dateformat, createdAt)
        m.UpdatedAt, _ = time.Parse(dateformat, updatedAt)
        if err != nil {
            return nil, err
        mahasiswas = append(mahasiswas, m)
   return
func Insert(db *sql.DB, m *model.Mahasiswa) (err error) {
    sql := fmt.Sprintf(`INSERT INTO %v (nim, name, semester, created_at, updated_
at)
VALUES(?,?,?,?,?)`, table)
    now := time.Now()
    res, err := db.Exec(sql, m.NIM, m.Name, m.Semester, now, now)
    if err != nil {
        return err
    lastId, err := res.LastInsertId()
    if err != nil {
       return err
    m.ID = int(lastId)
   m.CreatedAt = now
    m.UpdatedAt = now
   return
func Update(db *sql.DB, m *model.Mahasiswa, ru *model.ResponseUpdate) (err error)
    sql := fmt.Sprintf(`UPDATE %v set nim = ?, name =?, semester = ?, updated_at
= ? where id = ?`, table)
   now := time.Now()
```

```
res, err := db.Exec(sql, m.NIM, m.Name, m.Semester, now, m.ID)
   if err != nil {
       return err
   aff, err := res.RowsAffected()
   fmt.Println(aff)
   if err != nil {
       return err
   ru.JumlahUpdate = int(aff)
   return
func Delete(db *sql.DB, m *model.Mahasiswa, rd *model.ResponseDelete) (err error)
   sql := fmt.Sprintf("DELETE FROM %v where id = ?", table)
   res, err := db.Exec(sql, m.ID)
   if err != nil {
       return err
   aff, err := res.RowsAffected()
   fmt.Println(aff)
   if err != nil {
       return err
   rd.Status = int(aff)
   rd.Message = "Berhasil Delete"
   fmt.Println(m)
    return
```

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