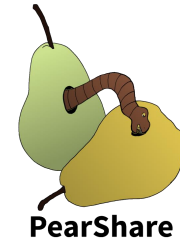


# PearShare

Verbinden von Peers über  
Browseranwendung - Gruppe 3

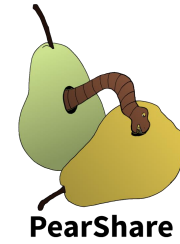
# Einführung



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- Realisierung des dezentralen Austausches von Local Storage und Indexed DB
- Nutzung von Bibliotheken
- Plain Javascript Frontend
- CSS-Framework: Bootstrap
- Icon-Bibliothek: Fontawesome Icons
- modifizierter Broker-Server (NodeJS)
- Deployment:
  - Server: Docker-Container auf AWS EC2 Instanz
  - Frontend: statischer Content in AWS S3 Bucket

# Programm-Flow



PearShare

ID:     



Connected to:







Connection id:

Waiting Enter Id New Id Close connection Chars Icons

Write Connected ID to indexedDB Sync indexed db data Show data

Write data to local storage Sync local storage data

PearShare

ID:      

Connected to:

Connection id:

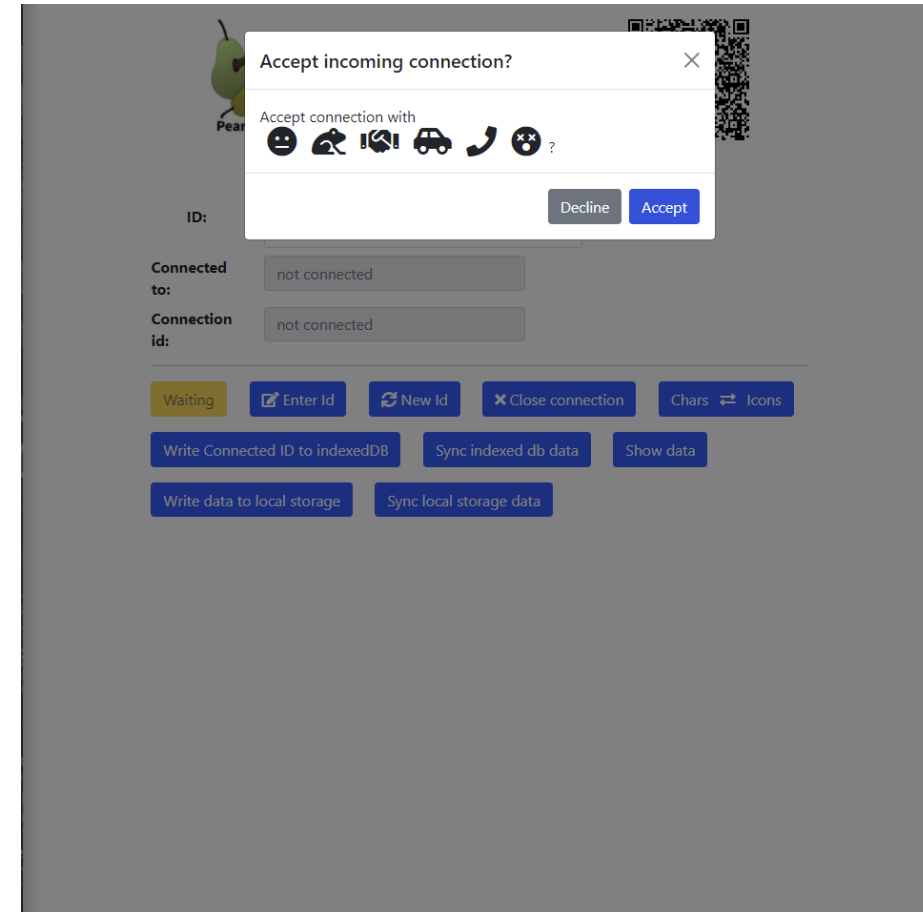
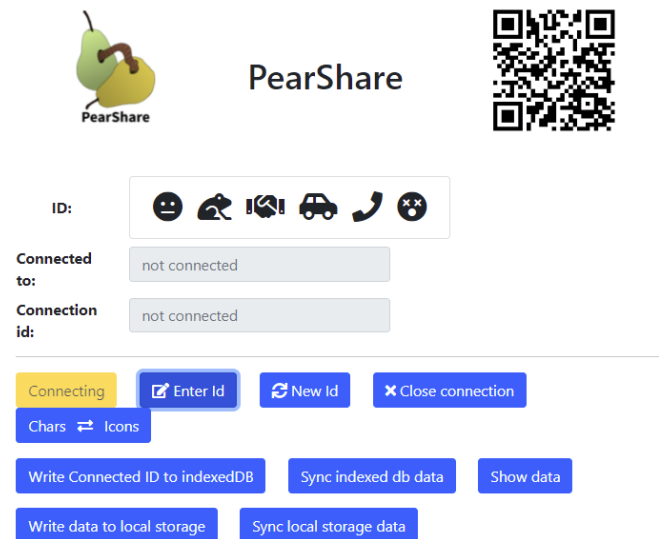
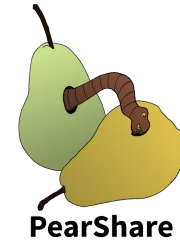
Waiting Enter Id New Id Close connection Chars Icons

Write Connected ID to indexedDB Sync indexed db data Show data

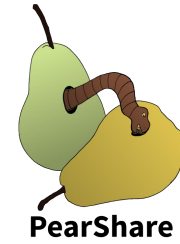
Write data to local storage Sync local storage data





# Programm-Flow








# Programm-Flow



PearShare

ID:



Connected to:

pkIEdh

Connection id:

dc\_zd7thbur7vi

Connected

Enter Id

New Id

Close connection

Chars

Icons



Write Connected ID to indexedDB

Sync indexed db data







Show data

Write data to local storage

Sync local storage data

PearShare

ID:



Connected to:

UxMk0q

Connection id:

dc\_zd7thbur7vi

Connected

Enter Id

New Id

Close connection

Chars

Icons

Write Connected ID to indexedDB

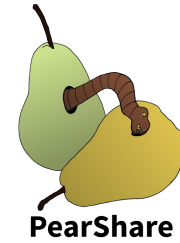
Sync indexed db data



Show data

Write data to local storage






Sync local storage data

# Programm-Flow



PearShare

ID:



Connected to: pkIEdh

Connection id: dc\_zd7thbur7vi

Connected

Enter Id

New Id

Close connection

Chars

Icons

Write Connected ID to indexedDB

Sync indexed db data

Hide saved IDs

Write data to local storage

Sync local storage data

Wrote to storage



Wrote to local storage.

**Indexed DB:**







- ID:pkIEdh, Used on: Sat Jul 10 2021 23:28:19 GMT+0200 (Mitteleuropäische Sommerzeit)

**local storage:**

- { "Web 2.0": "Projekt 1625952512918", "Lorem ipsum": "0.2234240983211908" }

PearShare

ID:



Connected to: UxMk0q

Connection id: dc\_zd7thbur7vi

Connected

Enter Id

New Id

Close connection

Chars

Icons

Write Connected ID to indexedDB

Sync indexed db data

Hide saved IDs

Write data to local storage

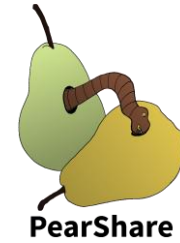
Sync local storage data


**Indexed DB:**

**local storage:**


- { }

# Programm-Flow










## PearShare



Successfully synced storage  
ID: pkIEdh  
Successfully synced with pkIEdh.

ID:



Connected to: pkIEdh

Connection id: dc\_zd7thbur7vi

Connected

Enter Id

New Id

Close connection

Chars

Icons

Write Connected ID to indexedDB

Sync indexed db data

Hide saved IDs

Write data to local storage


Sync local storage data

**Indexed DB:**


- ID: pkIEdh, Used on: Sat Jul 10 2021 23:28:19 GMT+0200 (Mitteleuropäische Sommerzeit)

**local storage:**

- { "Web 2.0": "Projekt 1625952528589", "Lorem ipsum": "0.39965867527571364" }









## PearShare



Successfully synced storage  
ID: UxMk0q  
Synced local storage with UxMk0q.

ID:



Connected to: UxMk0q

Connection id: dc\_zd7thbur7vi

Connected

Enter Id

New Id

Close connection

Chars

Icons

Write Connected ID to indexedDB

Sync indexed db data

Hide saved IDs

Write data to local storage

Sync local storage data

**Indexed DB:**

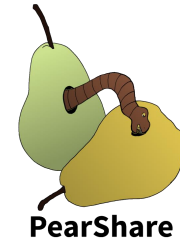
- ID: pkIEdh, Used on: Sat Jul 10 2021 23:28:19 GMT+0200 (Mitteleuropäische Sommerzeit)


**local storage:**

- { "Web 2.0": "Projekt 1625952528589", "Lorem ipsum": "0.39965867527571364" }





# Programm-Flow





## PearShare

Disconnected ✕  
Disconnected from pklEdh.  


ID: 

Connected to:

Connection id:

Waiting Enter Id New Id Close connection Chars Icons

Write Connected ID to indexedDB Sync indexed db data Hide saved IDs


Write data to local storage Sync local storage data

**Indexed DB:**


- ID: pklEdh, Used on: Sat Jul 10 2021 23:28:19 GMT+0200 (Mitteluropäische Sommerzeit)


**local storage:**

- ("Web 2.0": "Projekt 1625952528589", "Lorem ipsum": "0.39965867527571364")



## PearShare

Disconnected ✕  
Disconnected from UxMk0q.  


ID: 

Connected to:

Connection id:

Waiting Enter Id New Id Close connection Chars Icons

Write Connected ID to indexedDB Sync indexed db data Hide saved IDs

Write data to local storage Sync local storage data

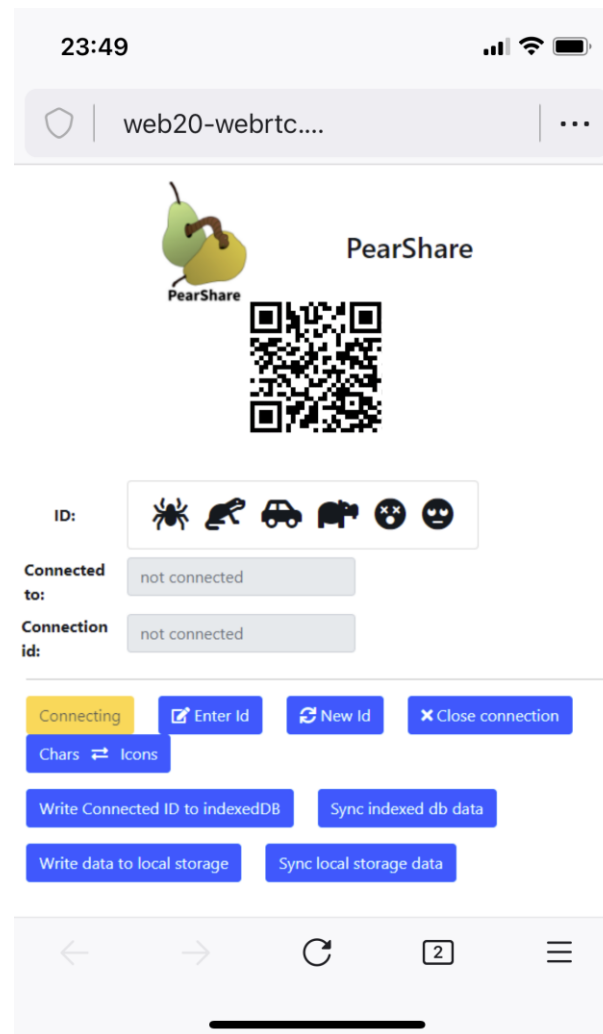
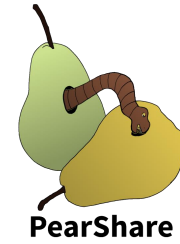
**Indexed DB:**

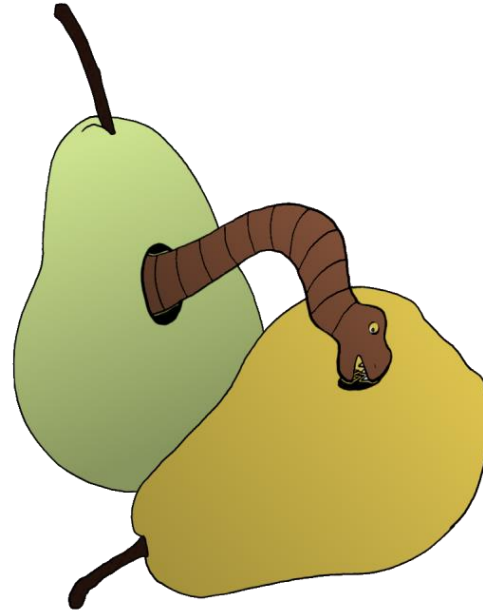
- ID: pklEdh, Used on: Sat Jul 10 2021 23:28:19 GMT+0200 (Mitteluropäische Sommerzeit)

**local storage:**

- ("Web 2.0": "Projekt 1625952528589", "Lorem ipsum": "0.39965867527571364")

# Mobile Flow





**PearShare**

Danke für die Aufmerksamkeit!