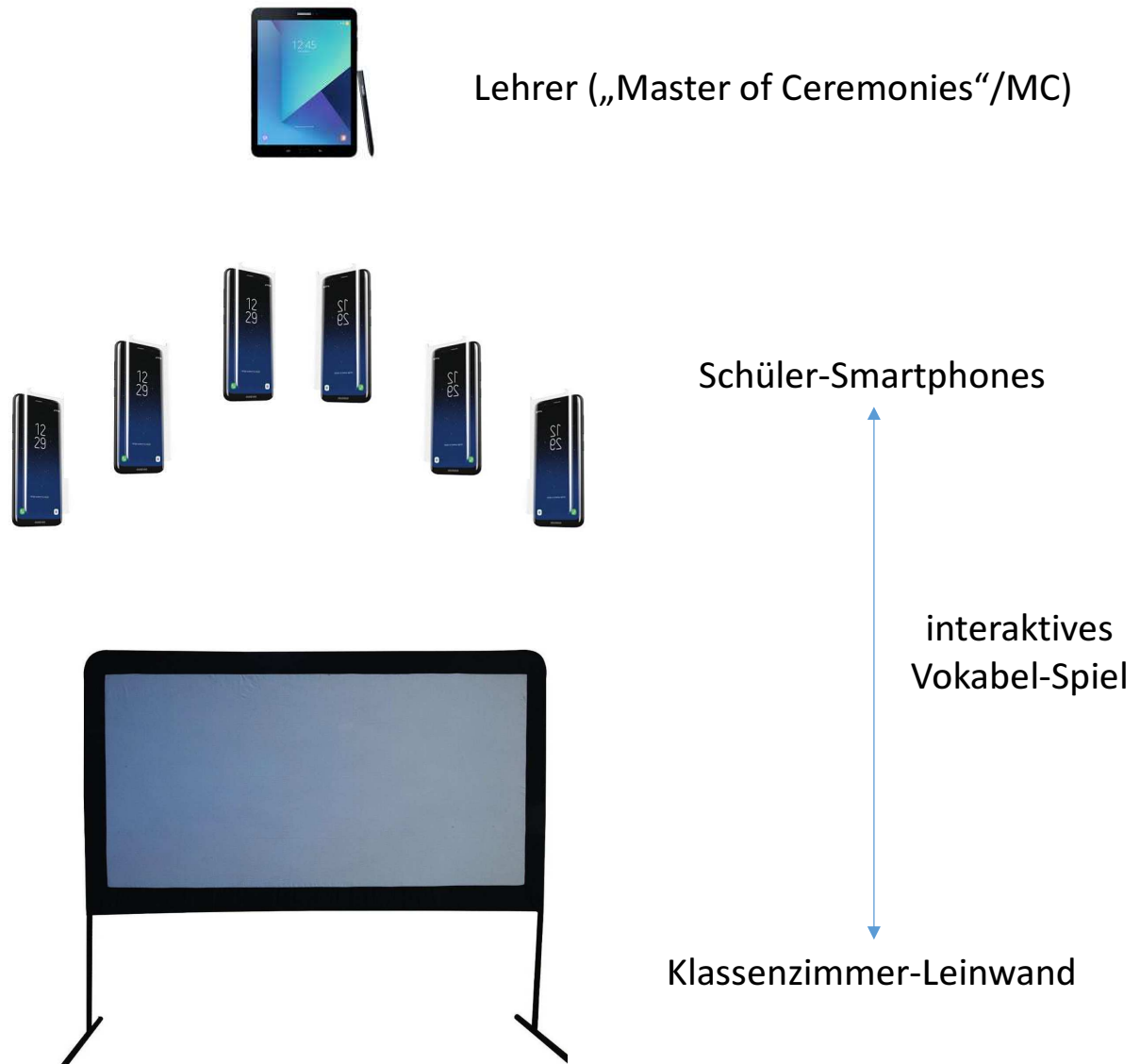
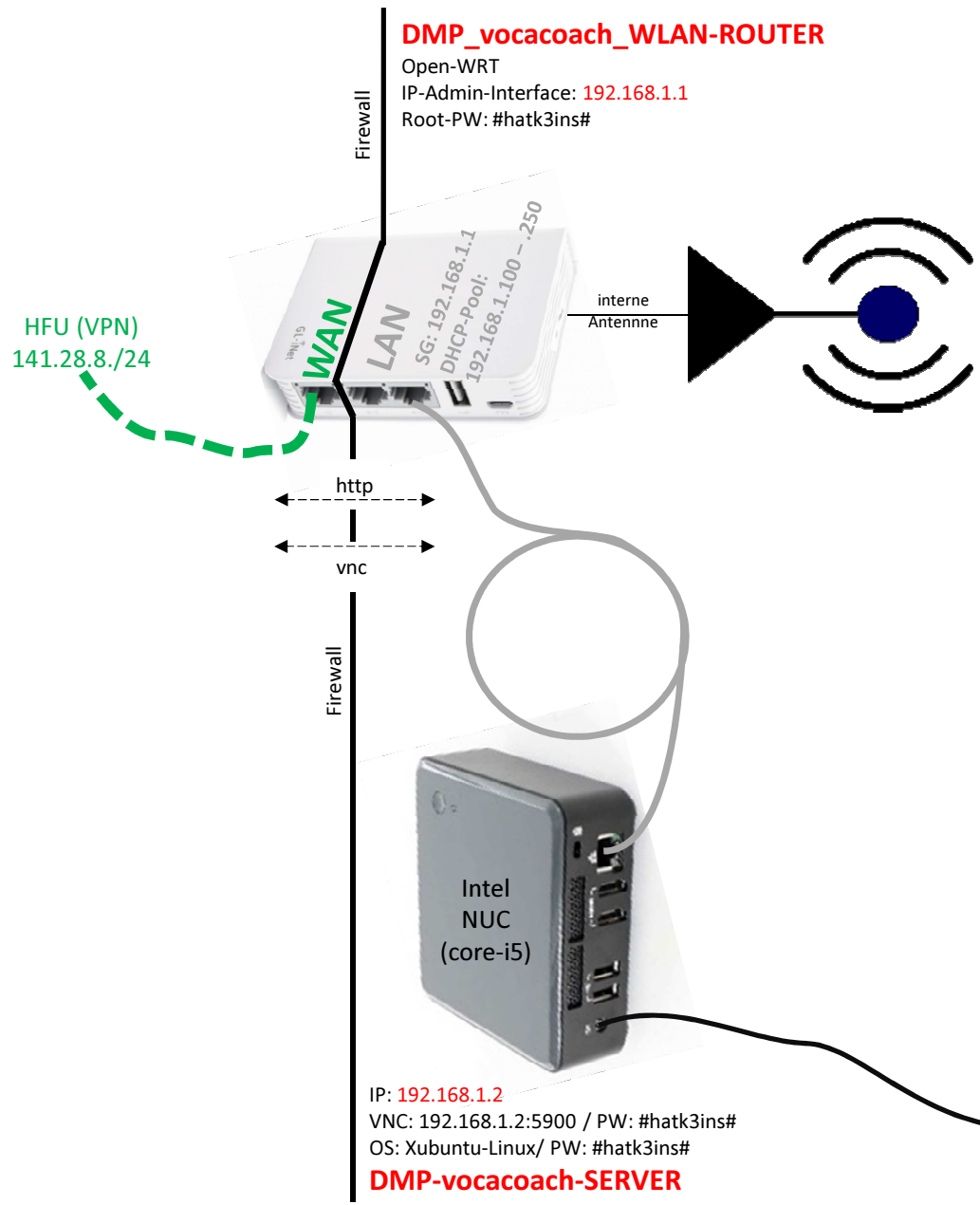


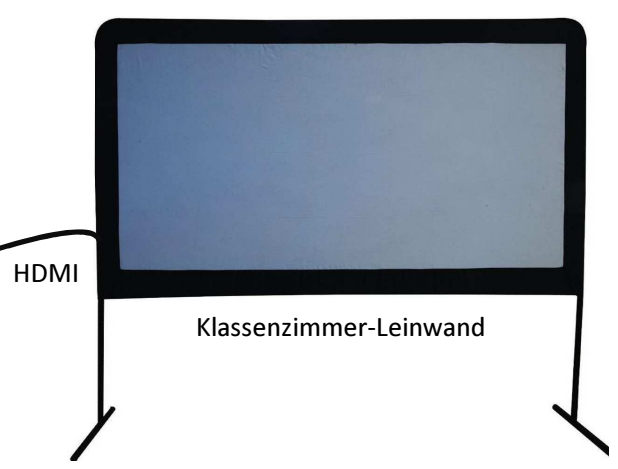
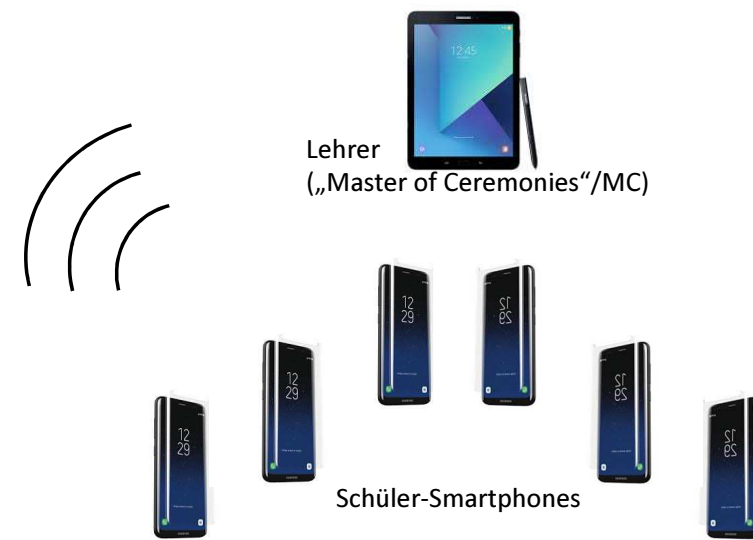
Projekt *Digital Media Pupils*: interaktiver Vokabeltrainer VOCACOACH





WLAN: 2,4GHz & 5GHz /
 SSID „DMP_vocacoach“ /
 PW: erasmus+

DMP vocacoach NETZWERK



DMP-vocacoach-SERVER

IP:192.168.1.2



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SCREEN-Instanz

GAMEPLAY-Instanz

DMP vocacoach SYSTEMKOMPONENTEN

WLAN: 2,4GHz & 5GHz /
SSID „DMP_vocacoach“ /
PW: erasmus+



MC-Instanz



PUPIL-Instanzen



HDMI

Klassenzimmer-Leinwand

DMP vocacoach SYSTEMDESIGN (Variante1)

SYSTEMWISSEN

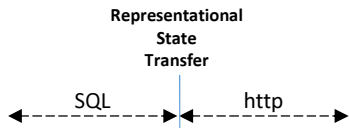
Operation+Data

LOGIK

User-Interfaces



Repository für alles:
Teilnehmer/Nickname,
Spielvarianten,
Elemente,
Zustände der Instanzen,
Ergebnisse,
etc.



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JavaScript-SERVER



MC-Instanz

JavaScript-MC

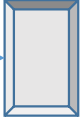
HTML5-Rendering



JavaScript-PUPIL

PUPIL-Instanzen

HTML5-Rendering



SCREEN-Instanz

JavaScript-SCREEN

HTML5-Rendering



JavaScript-GAMEPLAY

GAMEPLAY-Instanz

http 2.0
OPERATION: Get, Post, Put, etc.
DATA: coded in URI

http 2.0
OPERATION: Get, Post, Put, etc.
DATA: coded in URI

http 2.0
OPERATION: Get, Post, Put, etc.
DATA: coded in URI



Uniform Resource Identifier (URI)	GET	PUT	PATCH	POST	DELETE
Collection, such as https://api.example.com/resources/	List the URIs and perhaps other details of the collection's members.	Replace the entire collection with another collection.	Not generally used	Create a new entry in the collection. The new entry's URI is assigned automatically and is usually returned by the operation. ^[17]	Delete the entire collection.
Element, such as https://api.example.com/resources/item5	Retrieve a representation of the addressed member of the collection, expressed in an appropriate Internet media type.	Replace the addressed member of the collection, or if it does not exist, create it.	Update the addressed member of the collection.	Not generally used. Treat the addressed member as a collection in its own right and create a new entry within it. ^[17]	Delete the addressed member of the collection.

DMP vocacoach SYSTEMDESIGN (Variante2)

SYSTEMWISSEN

Operation+Data

LOGIK

User-Interfaces



Repository für alles:
Teilnehmer/Nickname,
Spielvarianten,
Elemente,
Zustände der Instanzen,
Ergebnisse,
etc.

SQL Js-websocket

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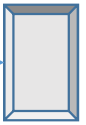
JavaScript-SERVER



Websock (persistent)
OPERATION: self-defined
DATA: DB-compliant

MC-Instanz
JavaScript-MC

HTML5-Rendering



```

1 var socket = new WebSocket(urlToWebsocketServer);
2
3 // callback-Funktion wird gerufen, wenn die Verbindung erfolgreich aufgebaut werden konnte
4 socket.onopen = function () {
5     console.log("Verbindung wurde erfolgreich aufgebaut");
6 };
7
8 // callback-Funktion wird gerufen, wenn eine neue WebSocket-Nachricht eintrifft
9 socket.onmessage = function (messageEvent) {
10     console.log(messageEvent.data);
11 };
12
13 // callback-Funktion wird gerufen, wenn ein Fehler auftritt
14 socket.onerror = function (errorEvent) {
15     console.log("Error! Die Verbindung wurde unerwartet geschlossen");
16 };
17
18 socket.onclose = function (closeEvent) {
19     console.log('Die Verbindung wurde geschlossen --- Code: ' + closeEvent.code + ' --- Grund: ' +
20 closeEvent.reason);
21 };
    
```

Websock (persistent)
OPERATION: self-defined
DATA: DB-compliant

JavaScript-GAMEPLAY
GAMEPLAY-Instanz

SQL

