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MAPPERS APP VERSION 1.0

DB structure, Webservices





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SISEKAITSEAKADEENIA IIIOkki AXIBII O'BORT IXING



DATABASE STRUCTURE



LOGIN TABLE



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SISEKAITSEAKADEENIA ISIONAN ANDERI O' BOMIT' KENKE



LoginEmail Address	Varchar (255)	Primary Key
Password	Varchar (255)	
UserType	Varchar (255)	
VerifiedUser	Boolean	





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CROWD SOURCING PARTICIPATION TABLE

LoginEmailAddress	Varchar (255)	Primary Key
Name	Varchar (255)	
Surname	Varchar (255)	
MobileNumber	Varchar (255)	









SISEKAITSEAKADEENIA IDDAA AXIEN O' BORT IDAD





CROWD SOURCING EXPOSED ELEMENTS TABLE

LoginEmailAddress	Varchar (255)	Primary Key
Address	Varchar (4096)	
NumberofResidents	Integer (3)	
AgeRangeMin	Varchar (255)	
AgeRangeMax	Varchar (255)	
LimitedMobility	Integer(3)	
ElderlyPeople	Integer(3)	



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CROWD SOURCING DAMAGES TABLE

LoginEmailAddress	Varchar (255)	
TypeofView	Varchar (4096)	
TypeofDamage	Varchar (4096)	
PeopleInvolved	Integer(4)	
ImageUrI	Varchar(1024)	
DateTime	Timestamp	



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SISEKAITSEAKADTENIA IIIONAN ANDER OF BOURT 13140







LoginEmailAddress	Varchar (255)	
WaterHeight	Integer(3)	
ImageUrl	Varchar(255)	
DateTime	Timestamp	



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SISEKAITSEAKADEENIA TITONAN ANDER OF BOURT 10040







SAVE FAMILY TABLE

LoginEmailAddress	Varchar (255)	
FamilyMember	Varchar (4096)	



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SUBMIT FAMILY TABLE

LoginEmailAddress	Varchar (255)	
FamilyMember	Varchar (4096)	









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SAVE EXTERNAL CONTACTS TABLE

LoginEmailAddress	Varchar (255)	
ExternalContact	Varchar (4096)	



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SUBMIT EXTERNAL CONTACTS TABLE

LoginEmailAddress	Varchar (255)	
ExternalContact	Varchar (4096)	



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SAVE USEFUL NUMBERS TABLE

LoginEmailAddress	Varchar (255)	
UsefulNumbers	Varchar (4096)	











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LoginEmailAddress	Varchar (255)	
UsefulNumbers	Varchar (4096)	



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SAVE FLOOD EQUIPMENT TABLE

LoginEmailAddress	Varchar (255)	
FloodEquipment	Varchar (4096)	



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SUBMIT FLOOD EQUIPMENT TABLE

LoginEmailAddress	Varchar (255)	
FloodEquipment	Varchar (4096)	



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SAVE INSURANCE COVER TABLE

LoginEmailAddress	Varchar (255)	
InsuranceCover	Varchar (4096)	









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SUBMIT INSURANCE COVER TABLE

LoginEmailAddress	Varchar (255)	
InsuranceCover	Varchar (4096)	



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SAVE TURN OFF SUPPLIER TABLE

LoginEmailAddress	Varchar (255)	
TurnOffSupplier	Varchar (4096)	



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SUBMIT TURN OFF SUPPLIER TABLE

LoginEmailAddress	Varchar (255)	
TurnOffSupplier	Varchar (4096)	



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SAVE WARNING CODES TABLE

LoginEmailAddress	Varchar (255)	
WarningCodes	Varchar (4096)	









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LoginEmailAddress	Varchar (255)	
WarningCodes	Varchar (4096)	



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USER LOCATION TABLE

LoginEmailAddress	Varchar (255)	Primary Key
Latitude	Varchar (255)	
Longitude	Varchar (255)	









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WEBSERVICE



REGISTRATION WEBSERVICE

http://www.xyz.co.uk/register.php

Upload registration details in JSON format

```
{ □
    "mappers": { □
    "email": "john@smith.co.uk",
    "password": "abc",
    "user": "mappers-c"
    }
}
```



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SISEKAITSEAKADEENIA TITOWA ANDER OF BOART KEND





http://www.xyz.co.uk/login.php

Upload registration details in JSON format

```
{ □
    "mappers": { □
    "email": "john@smith.co.uk",
    "password": "abc"
  }
}
```



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SISEKAITSEAKADEENIA UDMA AXIER O' BORT 12NG





http://www.xyz.co.uk/login.php

□If successful login:

```
{ □
    "mappers": { □
        "login": "successful",
        "user": "mappers-c"
    }
}
```



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SISEKAITSEAKADEENIA UDAALADEEN O' BORT KIND





http://www.xyz.co.uk/login.php

□If login failed due to wrong username:

```
{ □
    "mappers": { □
        "login": "failed",
        "reason": "wrong username"
    }
}
```













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http://www.xyz.co.uk/login.php

If login failed due to wrong password:

```
{ □
    "mappers": { □
        "login": "failed",
        "reason": "wrong password"
    }
}
```



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FORGOT PASSWORD WEBSERVICE

http://www.xyz.co.uk/forgotpassword.php

The email address is uploaded in JSON format

```
{ □
    "mappers": { □
        "email": "john@smith.co.uk"
    }
}
```



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STEEKAITSEAKAD EENIA IOMAN ANDERE OF BOART KOND





FORGOT PASSWORD WEBSERVICE

http://www.xyz.co.uk/forgotpassword.php

If the email address is found

```
{ □
    "mappers": { □
        "forgotpassword": "successful"
    }
}
```



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FORGOT PASSWORD WEBSERVICE

http://www.xyz.co.uk/forgotpassword.php

If the email address is not found on the server

```
{ □
    "mappers": { □
        "forgotpassword": "failed",
        "reason": "wrong username"
    }
}
```



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CROWD SOURCING PARTICIPATION WEBSERVICE

http://www.xyz.co.uk/crowdparticipation.php

The data will be uploaded in JSON format.

```
{ □
    "mappers": { □
        "loginemail": "john@smith.co.uk",
        "name": "john",
        "surname": "smith",
        "mobile": "+44123456"
    }
}
```



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CROWD SOURCING PARTICIPATION WEBSERVICE

http://www.xyz.co.uk/crowdparticipation.php

If the data will is successfully uploaded.

```
{ □
    "mappers": { □
    "dataupload": "successful"
    }
}
```



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CROWD SOURCING PARTICIPATION WEBSERVICE

<u>http://www.xyz.co.uk/crowdparticipation.php</u>

If the data upload fails.





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CROWD SOURCING EXPOSED ELEMENTS WEBSERVICE

<u>http://www.xyz.co.uk/crowdexposedelements.php</u>

The data is uploaded in JSON format.

```
{ 🖃
   "mappers": { 🖃
      "loginemail": "john@smith.co.uk",
      "address": "9, Buckingham Palace",
      "residents": "2",
      "agerangemin": "<15",
      "agerangemax": ">60",
      "limitedmobility": "2",
      "elderlypeople": "2"
```



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SISEKAITSEAKADEENIA





CROWD SOURCING DAMAGES WEBSERVICE

http://www.xyz.co.uk/crowddamages.php

The data is uploaded in JSON format.

```
{ □
    "mappers": { □
        "loginemail": "john@smith.co.uk",
        "typeofview": "top",
        "typeofdamage": "severe",
        "peopleinvolved": "2",
        "uploadimage": "yes"
    }
}
```



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CROWD SOURCING DAMAGES WEBSERVICE

http://www.xyz.co.uk/crowddamages.php

The URL will return response in JSON Format. The file name is current unix timestamp concatenated with a four digit random number.

```
{ □
    "mappers": { □
        "dataupload": "successful",
        "filename": "14246963681234"
    }
}
```



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CROWD SOURCING IMAGE UPLOAD WEBSERVICE

http://www.xyz.co.uk/imageupload.php

Once the image is uploaded successfully, the following response is received.





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CROWD SOURCING WATER LEVEL WEBSERVICE

http://www.xyz.co.uk/waterlevel.php

The data is uploaded in JSON format.

```
{ □
    "mappers": { □
        "loginemail": "john@smith.co.uk",
        "waterheight": "100 cms",
        "imageupload": "yes"
    }
}
```













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FLOOD PLAN WEBSERVICE

<u>http://www.xyz.co.uk/floodplansave.php</u>

The data is uploaded in JSON format.

{ 🖃

"mappers": { 🖂

"loginemail": "john@smith.co.uk",

"familymembers": "Simone-Farmer, Nadia-Secretary",

"externalcontacts": "Pippo-383746327, Lucia-34657489",

"usefulnumbers": "Contact 1-338596960, Contact 2-346500330, Contact n-351865655",

"floodequipment": "Bags, Medicines, Safety Guide",

"insurancecover": "Flood Damage, Insurance Company, Insurance Claim",

"turnoffsupplier": "Ask Supplier, Help to turn off, Mark taps or switches",

"warningcodes": "Flood Alert, Flood Warning, Severe Flood Warning"



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FLOOD PLAN WEBSERVICE

<u>http://www.xyz.co.uk/floodplansubmit.php</u>

The data is uploaded in JSON format.

{ 🖃

"mappers": { 🖃

"loginemail": "john@smith.co.uk",

"familymembers": "Simone-Farmer, Nadia-Secretary",

"externalcontacts": "Pippo-383746327, Lucia-34657489",

"usefulnumbers": "Contact 1-338596960, Contact 2-346500330, Contact n-351865655",

"floodequipment": "Bags, Medicines, Safety Guide",

"insurancecover": "Flood Damage, Insurance Company, Insurance Claim",

"turnoffsupplier": "Ask Supplier, Help to turn off, Mark taps or switches",

"warningcodes": "Flood Alert, Flood Warning, Severe Flood Warning"



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<u>http://www.xyz.co.uk/citizenlocation.php</u>

The data is uploaded in JSON format.

```
{ □
    "mappers": { □
        "loginemail": "john@smith.co.uk",
        "latitude": "35.27861",
        "longitude": "-3.7516"
}
```



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DOWNLOAD PROFILE WEBSERVICE

http://www.xyz.co.uk/downloadprofile.php?loginemail=john@smith.co.uk

The data will be downloaded in JSON format.

Please see next slide for the response from the server.



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},

"crowdexposedelements": { □
 "address": "9, Buckingham Palace",
 "residents": "2",
 "agerangemin": "<15",
 "agerangemax": ">60",
 "limitedmobility": "2",
 "elderlypeople": "2"
},
"floodplansave": { □
 "familymembers": "Simone-Farmer, Nadia-Secretary",
 "externalcontacts": "Pippo-383746237, Lucia-34657489",
 "usefulnumbers": "Contact1-33859690, Contact2-34650030",
 "floodequipment": "Bags, Medicine, Safety Guide",

"floodequipment": "Bags, Medicine, Safety Guide", "insurancecover": "Flood Damage, Insurance Company, Insurance Claim", "turnoffsupplier": "Ask Supplier, Help to turn off", "warningcodes": "Flood Alert, Flood Warning, Severe Flood Warning"



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VOLUNTEERS WEBSERVICE





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ADDITIONAL DATABASE



DANGER DATABASE

LoginEmailAddress	Varchar (255)	
DangerStatus	Varchar (4096)	
ImageUrIDangerVisibility	Varchar (4096)	
DateTime	Timestamp	



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HAZARD DATABASE

LoginEmailAddress	Varchar (255)	
Туроlоду	Varchar (4096)	
HazardSources	Varchar (4096)	
AccidentType	Varchar (4096)	
MaterialState	Varchar (4096)	
MaterialTypology	Varchar (4096)	
SpillState	Varchar (4096)	
Oil Level	Varchar (4096)	
ExplosionType	Varchar (4096)	
DateTime	Timestamp	



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STREKAITSEAKADTENIA TITOHAN ANDERT OF BOURT KEND







LoginEmailAddress	Varchar (255)	
Туроlоду	Varchar (4096)	
Number	Varchar (4096)	
TypeOfBuilding	Varchar (4096)	
GroundType	Varchar (4096)	
VehicleType	Varchar (4096)	
DateTime	Timestamp	



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DANGER WEBSERVICE

http://www.xyz.co.uk/danger.php

The data is uploaded in JSON format.

```
{ □
    "mappers": { □
        "loginemail": "john@smith.co.uk",
        "dangerstatus": "high",
        "dangervisibility": "visible"
    }
}
```



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HAZARD WEBSERVICE

http://www.xyz.co.uk/hazards.php

The data is uploaded in JSON format.

```
{ □
    "mappers": { □
        "loginemail": "john@smith.co.uk",
        "Typology": "unknown",
        "HazardSources": "oil",
        "AccidentType": "Car crash",
        "MaterialState": "Liquid",
        "MaterialTypology": "unknown",
        "SpillState": "High",
        "OilLevel": "Low",
        "ExplosionType": "None"
    }
}
```



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FACILITIES WEBSERVICE

http://www.xyz.co.uk/facilities.php

The data is uploaded in JSON format.

```
{ 🖃
   "mappers": { 🖃
      "loginemail": "john@smith.co.uk",
      "Typology": "unknown",
      "Number": "23",
      "TypeOfBuilding": "Victorian",
      "GroundType": "Liquid",
      "VehicleType": "Bus"
```













SISEKAITSEAKADTENIA







Web Based User Interface to display all values and search for specific values.

Push Notification to display whether a volunteer is active, not active, in threat of life or not in threat of life.



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