

# disaster preparedness - group 26

## admin

Column	Type	Null	Default	Links to	Comments	Media type
username ( <i>Primary</i> )	varchar(50)	No				
firstname	varchar(90)	No				
lastname	varchar(90)	No				
email	varchar(320)	No				
password	varchar(320)	No				
gender	varchar(6)	No				

### INDEXES

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	username	3	A	No	

## communication channels

Column	Type	Null	Default	Links to	Comments	Media type
channel_id ( <i>Primary</i> )	varchar(20)	No				
region_ID	varchar(20)	Yes	NULL	region -> region_ID		
name	varchar(100)	Yes	NULL			
description	varchar(200)	Yes	NULL			

### INDEXES

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	channel_id	10	A	No	
region_ID	BTREE	No	No	region_ID	10	A	Yes	

## decision support system

Column	Type	Null	Default	Links to	Comments	Media type
decision_support_id ( <i>Primary</i> )	varchar(20)	No				

Column	Type	Null	Default	Links to	Comments	Media type
region_ID	varchar(20)	Yes	<i>NULL</i>	region -> region_ID		
time	timestamp	No	current_timestamp()			
recommended_action	varchar(200)	Yes	<i>NULL</i>			

## INDEXES

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	decision_support_id	10	A	No	
region_ID	BTREE	No	No	region_ID	10	A	Yes	

## disaster

Column	Type	Null	Default	Links to	Comments	Media type
disaster_ID ( <i>Primary</i> )	varchar(20)	No				
Type	varchar(50)	Yes	<i>NULL</i>			
Severity	varchar(50)	Yes	<i>NULL</i>			
Location	varchar(100)	Yes	<i>NULL</i>			
Time	datetime	No				
Predicted_impact	varchar(100)	Yes	<i>NULL</i>			

## INDEXES

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	disaster_ID	15	A	No	

## early\_warning\_system

Column	Type	Null	Default	Links to	Comments	Media type
weather_data_id ( <i>Primary</i> )	varchar(20)	No				
region_ID	varchar(20)	Yes	<i>NULL</i>	region -> region_ID		
timestamp	datetime	Yes	<i>NULL</i>			
disaster_ID	varchar(20)	Yes	<i>NULL</i>	disaster -> disaster_ID		

## INDEXES

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	weather_data_id	5	A	No	
region_ID	BTREE	No	No	region_ID	5	A	Yes	
early_warning_system_ibfk_2	BTREE	No	No	disaster_ID	5	A	Yes	

## emergency\_responders

Column	Type	Null	Default	Links to	Comments	Media type
username ( <i>Primary</i> )	varchar(255)	No				
firstname	varchar(255)	No				
lastname	varchar(255)	No				
email	varchar(255)	No				
password	varchar(255)	No				
gender	enum('Male', 'Female', 'Other')	No				
specialization	varchar(255)	No				
certification	varchar(255)	No				

### INDEXES

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	username	0	A	No	
email	BTREE	Yes	No	email	0	A	No	

## govt\_agencies

Column	Type	Null	Default	Links to	Comments	Media type
username ( <i>Primary</i> )	varchar(255)	No				
name	varchar(255)	No				
email	varchar(255)	No				
password	varchar(255)	No				
description	text	Yes	NULL			

### INDEXES

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	username	0	A	No	
email	BTREE	Yes	No	email	0	A	No	

## population

Column	Type	Null	Default	Links to	Comments	Media type
population_ID ( <i>Primary</i> )	varchar(20)	No				
Age_Group	varchar(50)	Yes	<i>NULL</i>			
Special_Needs	varchar(50)	Yes	<i>NULL</i>			
Health_Status	varchar(50)	Yes	<i>NULL</i>			
Socioeconomic_Status	varchar(50)	Yes	<i>NULL</i>			

### INDEXES

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	population_ID	10	A	No	

## region

Column	Type	Null	Default	Links to	Comments	Media type
region_ID ( <i>Primary</i> )	varchar(20)	No				
Name	varchar(100)	Yes	<i>NULL</i>			
Population	int(11)	Yes	<i>NULL</i>			
Vulnerability	varchar(50)	Yes	<i>NULL</i>			
Infrastructure	varchar(100)	Yes	<i>NULL</i>			
Historical_disaster_data	varchar(200)	Yes	<i>NULL</i>			

### INDEXES

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	region_ID	10	A	No	

## researchers

Column	Type	Null	Default	Links to	Comments	Media type
username <i>(Primary)</i>	varchar(255)	No				
firstname	varchar(255)	No				
lastname	varchar(255)	No				
email	varchar(255)	No				
password	varchar(255)	No				
gender	enum('Male', 'Female', 'Other')	No				
field_of_study	varchar(255)	No				
research_interests	text	Yes	<i>NULL</i>			

## INDEXES

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	username	0	A	No	
email	BTREE	Yes	No	email	0	A	No	

## resource

Column	Type	Null	Default	Links to	Comments	Media type
resource_ID <i>(Primary)</i>	varchar(20)	No				
Type	varchar(50)	Yes	<i>NULL</i>			
Quality	varchar(50)	Yes	<i>NULL</i>			
Location	varchar(100)	Yes	<i>NULL</i>			
Status	varchar(50)	Yes	<i>NULL</i>			
Source	varchar(100)	Yes	<i>NULL</i>			

## INDEXES

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	resource_ID	10	A	No	

## users

Column	Type	Null	Default	Links to	Comments	Media type
user_type	enum('admin', 'emergency_responder', 'researcher', 'govt_agency', 'user')	No				
username <i>(Primary)</i>	varchar(50)	No				
firstname	varchar(90)	No				
lastname	varchar(90)	No				
email	varchar(320)	No				
gender	varchar(6)	No				
password	varchar(320)	No				

## INDEXES

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	username	20	A	No	

## weather

Column	Type	Null	Default	Links to	Comments	Media type
weather_ID <i>(Primary)</i>	varchar(20)	No				
Temperature	decimal(5,2)	Yes	NULL			
Humidity	decimal(5,2)	Yes	NULL			
Wind_Speed	decimal(5,2)	Yes	NULL			
Precipitation	decimal(5,2)	Yes	NULL			
Forecast_Data	varchar(200)	Yes	NULL			

## INDEXES

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	weather_ID	5	A	No	