DATA PLAN

User

User object   {UserName:
FamilyName:
GivenName:
Phone:
PassWord:
Email:}

login

Description	method	Url	Data	Data form	Operations of Server
Visit login page	GET	./login			Response the html
Submit data of user	POST	./login	User object	Json	Access the database to verify user information and jump

register

Description	method	Url	Data	Data form	Operations of Server
Visit user register page	GET	./user/register			Response the html
Submit data of new user	POST	./user	User object	Json	Access the database to insert new user information

manage their information

Description	method	Url	Data	Data form	Operations of Server
Visit user edit page	GET	./user/edit?userId	User id		Query the database by ID to return user information
Submit edited data of user	PUT	./user	User object	Json	Access the database to update user information

Check-in object {VenueCode:
Lat:
Lng:
Userid:}

Check-in by entering a check-in code or GPS location

Description	method	Url	Data	Data form	Operations of Server
Visit check-in page	GET	./chechin?userId	Userid		Response the html
Submit check-in data	POST	./checkin	Check-in object	Json	Access the database to add check-in information

View their check-in history on a map

Description	method	Url	Data	Data form	Operations of Server
Visit check-in history	GET	./chechin/history?userId	Userid		Access the database to query the user's check-in record and return to the page

hotspot object {Lat:
Lng: }

See current hotspots on a map

Description	method	Url	Data	Data form	Operations of Server
Ajax requests hotspots data	GET	./hotspots			Access the database and return the HotSpot collection as JSON

See if they've been to a hotspot:
Check -in records and hotspots are requested on the map in a different color.

Manager

venue object   {VenueCode:
StreetNumber:
StreetName:
City:
State:
Country:
Lng:
Lat: }

Manage Venue information

Description	method	Url	Data	Data form	Operations of Server
Displays the current Venue information	GET	./venue?venueCode	VenueCode		Access the database to query information against Venuecode
Submit Venue information in the form	POST	./venue	Venue object	Json	Access the database to update Venue information

View the check-in history for their venue

Description	method	Url	Data	Data form	Operations of Server
Visit the Check-in History page	GET	./checkin/history?venueCode	VenueCode		Access the database to query the relevant check-in record against Venuecode and return the page

Health Officials

Manage their user information.

Description	method	Url	Data	Data form	Operations of Server
Visit admin edit page	GET	./admin/edit?id	admin id		Query database by id and return admin information
Submit edited data of admin	PUT	./admin	User object	Json	Access database to update admin information

Create and manage hotspot areas/venues & timeframes.

Description	method	Url	Data	Data form	Operations of Server
Visit map page	GET	./admin/map			Return to the page
AJAX request for all hotspots	GET	./admin/map/hotspots			Accessing the database returns a collection of hotspots
AJAX request for adding new hotspot	POST	./admin/map/hotspots	hotspot object	Json	Visit the database to add a new HotSpot
AJAX request for updating a hotspot	PUT	./admin/map/hotspots	hotspot object	Json	Access the database to update the specified Hotspot
AJAX request for delete a hotspot	DELETE	./admin/map/hotspots	hotspot object	Json	Access the database to delete the specified hotspot

View the check-in history for users and venues.

Description	method	Url	Data	Data form	Operations of Server
Visit the Users and Venues query page	GET	./admin/Search			Return to the page
Access the Check-in History page for the specified user	GET	./admin/user_checkin_history?userId	userId		Accesses the database and returns the check-in record and display page for the specified user
Visit the Check-in History page for the specified Venue	GET	./admin/venue_checkin_history?venueCode	venueCode		Returns the check-in record and display page for the specified Venue

Manage Users/Venues.

Description	method	Url	Data	Data form	Operations of Server
Visit the Users and Venues query page	GET	./admin/Search			Return to the page
Visit the manage page to manage the information of the specified user	GET	./admin/user_manage?userId	userId		Access the database, return the specified user information and display page
Submit user information	PUT	./user	userId		Access the database to update user information
Visit the manage page to manage the information of the specified venue	GET	./admin/venue_manage?venueCode	venueCode		Access the database, return the information and display page of the specified venue
Submit venue information	PUT	./venue	venueCode		Access the database to update venue information

Sign-up other Health Officials

Description	method	Url	Data	Data form	Operations of Server
Visit the sign-up page of admin	GET	./admin/sign_up			Return page
AJAX request to add a new admin	POST	./admin	User object	JSON	Access the database to add a new admin

See current hotspots on a map.
This functionality is the same as what users use and how they interact.