Class Name:	TownServiceClients	
State: baseURL, axios	baseURL, axios	
Responsibilities	Collaborators	
Manages the formats of requests and responses of different actions relates to town, including joining listing, updating, deleting, adding admins, blocking users, etc.	towns (routers) all implementations of TownServiceClients	

Class Name:	UserServiceClients	
State: baseURL, axios		
Responsibilities	Collaborators	
Manages the formats of	towns (routers)	
requests and responses of	all implementations of	
users singing up, singing in,	UserServiceClients	
and updating user profile.		

Class Name:	Town	
	townid, password, townname, admins, creator, blcokers, isPublic, maxOccupancy	
Responsibilities	Collaborators	
This is a data acess object	MongoDB database	
model mapping to MongoD	B all implementations of Town	
'room' collection. It takes		
care of the actions of		
creating, getting room ids,		
deleting, and updating room	I.	
information in MongoDB.		

Class Name:	User	
State: userName, passwore	d, email, gender, age, city	
Responsibilities	Collaborators	
This is a data acess object	MongoDB database	
model mapping to MongoDB	all implementations of User	
'user' collection. It takes care		
of the actions offinding user		
by attributes, update user		
information, deleting user,		
and counting number of		
users in MongoDB.		

Class Name:	Home
State:	
Responsibilities	Collaborators
Being the home page	SignIn
component that will be	SignUp
displayed when the APP is	
started.	

Class Name:	SignIn	
State: userName, passwore	userName, password	
Responsibilities	Collaborators	
The sign in component allows		
not only users to sign in with	all implementations of SignIn	
their username and	hooks that monitors the states	
password, but also keeping		
track of their states.		

Class Name:	SignUp
State: userName, passord	
Responsibilities	Collaborators
The sign up component allows users to create an account and keeping the states of account attributes, including username, password, email, gender, age and city.	UsersServiceClient all implementations of SignUp hooks that monitors the states

Class Name:	Login	
State:		
Responsibilities	Collaborators	
The Login component allows user to login with user name and passwor.	TownsServiceClient (TownJoinResponse)	

Class Name:	Profile	
State: userName, passwo age, city	ord, passwordToMatch, email, gender,	
Responsibilities	Collaborators	
The profile component allow	s UsersServiceClient	
users to update their	all implementations of Profile	
accounts, including passwor	d, hooks that monitors the states	
email, gender, age and city.		
also renders up-to-date use	r	
information.		

Class Name:	TownSetting	
	apiClient, currentTownID, friendlyName, isPubliclyListed, townUpdatePassword	
Responsibilities	Collaborators	
This components presen information of a town at	t the TownSetting	
page of game. Player is a to change town passwor publicity, and friendly na	rd,	
of town.		

Class Name:	TownSelection	
State:	userName, newTownName, newTownIsPublic, townIDToJoin, currentPublicTowns, apiClient	
F	Responsibilities	Collaborators
	rs the page that s components for	all implementations of TownSelection
users to join and create		hooks that monitors the states
	t also lists all the owns with occupancy.	Profile TownServiceClient

Class Name:	Creator	
State:	players, apiClient, curentTownID, currentTownBlockers, currentTownCreator, currentAdmininstrators, room, name	
Re	esponsibilities	Collaborators
	yer creates a town, eligible to be a	all implementations of Creator
of blockir entering assigning	ng a user from the current town, a new	hooks that monitors the states
administr	rator etc.	

Class Name:	Player
State: location, id, name	
Responsibilities	Collaborators
Records the location, userName and id of the player.	UserLocation

Class Name:	oveyTownListener
State:	
Responsibilities	Collaborators
Listens to player's events and	Player
get called when a player joins	CoveyTownController
a town, moves, or	all implementations of
disconnects.	CoveyTownListener

Class Name:	veyTownController	
State: players, sessions, vic	players, sessions, videoClients, listeners, instance	
Responsibilities	Collaborators	
Stores list of players, listeners	Player	
and sessions for the town.	PlayerSession	
Control and manages the	IVideoClient	
events that occurs in the	CoveyTownListener	
town.	UserLocation	
	TwilioVideo	

Class Name:	townJoinHandler	
State:		
Responsibilities	Collaborators	
The handler manages join requests from client and returns messages if joined successfully.	Player	
	PlayerSession	
	CoveyTownController	
	TownJoinRequest	
	TownJoinResponse	

Class Name:	townSubscriptionHandler	
State:	itate:	
Responsibilities	Collaborators	
Client uses the token	Socket	
returned by handler to make	PlayerSession	
subscriptions to town.	CoveyTownController	
	townSocketAdapter (function)	
	CoveryTownListener	
	UserLocation	

Class Name:	IVideoClient
State:	
Responsibilities	Collaborators
Given two strings representing town and client, issue a strong token that could authorize a client connecting to the town	all implementations of IVideoClient Promises CoveyTownController

Class Name:	nAddBlockerHandler
State:	
Responsibilities	Collaborators
This handler process a creator	
or admin request to add a	townAddBlockerHandler
player to block list of a town.	CoveyTownStore
	Room (MongoDB)
	Promises
	CoveyTownController

Class Name:	nAddAdminHandler
State:	
Responsibilities	Collaborators
This handler enables the	all implementations of
creator of town to add a user	IVideoClient
as an admin of town.	Promises
	CoveyTownController
	CoveyTownStore
	Room (MongoDB)

Class Name:	townListHandler
State:	
Responsibilities	Collaborators
This handler manages the	all implementations of
process of listing all the	townListHandler
townss.	Promises
	CoveyTownStore

Class Name:	gleTownListHandler
State:	
Responsibilities	Collaborators
This handler takes in the name of town and return admins list, blockers lsit, and creator name of town.	all implementations of singleTownListHandler Promises Room (MongoDB)

Class Name:	townCreateHandler	
State:		
Responsibilities	Collaborators	
This handler helps to create	all implementations of	
towns in CoveyTownStore	townCreateHandler	
and Room model in	Promises	
MongoDB.	CoveyTownStore	
	Room (MongoDB)	

Class Name:	townDeleteHandler	
State:		
Responsibilities	Collaborators	
This handler helps to delete	all implementations of	
towns in CoveyTownStore	townDeleteHandler	
and Room model in	Promises	
MongoDB.	CoveyTownStore	
	Room (MongoDB)	

Class Name: townl	townBlockerDeleteHandler	
State:		
Responsibilities	Collaborators	
This handler process a creator	all implementations of	
or admin request to remove a	townBlockerDeleteHandler	
player from block list of a	Promises	
town.	Room (MongoDB)	

townBlockerAdminHandler	
Collaborators	
all implementations of townBlockerDeleteHandler Promises Room (MongoDB)	

Class Name:	townUpdateHandler	
State:		
Responsibilities	Collaborators	
This handler helps update	all implementations of	
town information.	townBlockerDeleteHandler	
	Promises	
	CoveyTownStore	

Class Name:	checkUserByNameHandler	
State:		
Responsibilities	Collaborators	
This handler checks whethere	all implementations of	
a username exists in	checkUserByNameHandler	
database.	Promises	
	User (MongoDB)	
	,	

Class checkUserBy	checkUserByNameAndPasswordHandler	
State:		
Responsibilities	Collaborators	
This handler checks whether	all implementations of	
a user with a specified pair of	checkUserByNameAndPasswordHa	
username and password	Promises	
exists	User (MongoDB)	

Class Name:	createUserHandler	
State:		
Responsibilities	Collaborators	
When a user sign up, this handler helps adding user profile in database.	all implementations of createUserHandler	
	Promises	
	User (MongoDB)	

Class Name:	updateUserHandler	
State:		
Responsibilities	Collaborators	
This handler helps update a	all implementations of	
user account in databse.	updateUserHandler	
	Promises	
	User (MongoDB)	