Class Name:	TownServiceClients	
State: 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:	JserServiceClients
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
State:	townid, password, townname, admins, creator, blcokers, isPublic, maxOccupancy	
F	Responsibilities	Collaborators
This is a	data acess object	MongoDB database
model m	napping to MongoDB	all implementations of Town
'room' c	ollection. It takes	
care of t	he actions of	
_	, getting room ids,	
_	, and updating room	
informat	tion 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	UsersServiceClient	
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	UsersServiceClient
allows users to create an	all implementations of SignUp
account and keeping the	hooks that monitors the states
states of account attributes,	
including username,	
password, email, gender, age	
and city.	

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

Class Name:	Profile	
State: userName, passwo	userName, password, passwordToMatch, email, gender,	
age, city		
Responsibilities Collaborators		
The profile component allow	S UsersServiceClient	
users to update their	all implementations of Profile	
	, hooks that monitors the states	
email, gender, age and city. I		
also renders up-to-date user		
information.		

Class	TownSetting	
State:	apiClient, currentTownID, friendlyName, isPubliclyListed, townUpdatePassword	
R	Responsibilities Collaborators	
	ponents presents ion of a town at the	all implementations of TownSetting
to chang	game. Player is able le town password, g, and friendly name	hooks that monitors the states

Class Name:		TownSelection
State:		nName, newTownIsPublic, entPublicTowns, apiClient
F	Responsibilities Collaborators	
	rs the page that components for	all implementations of TownSelection
	join and create t also lists all the	hooks that monitors the states Profile
	owns with occupancy.	TownServiceClient

Class Name:	Creator	
	urentTownID, currentTownBlockers, r, currentAdmininstrators, room,	
Responsibilities	Collaborators	
If the player creates a town, he/she is eligible to be a	all implementations of Creator hooks that monitors the states	

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

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

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

Class Name: towr	townSubscriptionHandler	
State:		
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: town	townAddBlockerHandler	
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:	townAddAdminHandler	
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 process of listing all the townss.	all implementations of townListHandler Promises CoveyTownStore	

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

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

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

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

Class Name:	BlockerAdminHandler
State:	
Responsibilities	Collaborators
This handler process a creator	
	townBlockerDeleteHandler
from admin list of a town.	Promises
	Room (MongoDB)

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

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

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

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