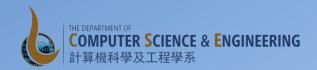
ConFusion: Integrating the Angular Client and Server

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Integrating the Client and Server

- Server already provides REST API
- The Angular client, the Ionic client and the NativeScript client already use the REST API to interact with the server
 - Send requests to the REST API endpoints
 - Server returns reply with JSON data
- Integration should be straightforward with some minor adjustments
 - Providing Authentication service
 - Minor adjustments to the other services and components

Query Parameters

• Client side: this.http.get(baseURL + 'dishes?featured=true') URL with query parameters: /dishes?featured=true Server Side: { "featured": true } dishRouter.route('/') .get(function (req, res, next) { Dishes.find(req.query) ... });

User Authentication

- Server-side REST API endpoints:
 - /users/signup
 - /users/login
 - /users/logout
- Client needs to be configured to send requests to these REST API endpoints for user registration and authentication

User Authentication

- 1. Client sends POST request to /users/login
 - request body contains username and password
- 2. Server validates and replies with the token if successful
 - response body contains token
- Client saves the token in local storage localStorage.setItem(this.tokenKey, JSON.stringify(credentials));
- 4. Client includes token in the header of every subsequent request
 - Using HTTPClient's HTTP Interceptors