

<div> <div>Models/User</div> <div>App, middleware/auth</div> <div>List, Task</div> </div>	
<ul style="list-style-type: none"> <li>• Sets the schema to define what a user is</li> <li>• Adds bearer token authentication for users to continue to use the app</li> <li>• Encrypts the password of the user before saving it to the database</li> <li>• Validates the password of the user to make sure it is correct.</li> <li>• Logs the user in by sending a JSON Web Token</li> </ul>	<ul style="list-style-type: none"> <li>• List</li> <li>• Task</li> </ul>

<div> <div>Routes/User</div> <div>Models/User, middleware/auth</div> <div>App</div> </div>	
<ul style="list-style-type: none"> <li>• Routes the request from a client</li> <li>• Perform CRUD operations on User profiles</li> </ul>	<ul style="list-style-type: none"> <li>• App</li> </ul>

<div> <div>App</div> <div>utils/DbSetup</div> <div>Models/List, Models/Task, Models/User, Routes/List, Routes/Task, Routes/User</div> </div>	
<ul style="list-style-type: none"> <li>• Setups the server on port 3000</li> <li>• Listens for incoming client requests</li> </ul>	<ul style="list-style-type: none"> <li>• Models/List</li> <li>• Models/Task</li> <li>• Models/User</li> <li>• Routes/List</li> <li>• Routes/Task</li> <li>• Routes/User</li> </ul>

<div> <div>middleware/auth</div> <div>User</div> <div>Routes/Task Routes/User</div> </div>	
<ul style="list-style-type: none"> <li>• Checks the incoming request for authentication in the router files</li> </ul>	<ul style="list-style-type: none"> <li>• Routes/Task</li> <li>• Routes/User</li> </ul>

**utils/Dbsetup**

Models/Task, Models/List, Models/User

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|--|---|
| <ul style="list-style-type: none"><li>• Sets up the database to be used by</li></ul> | <ul style="list-style-type: none"><li>• Models/Task</li><li>• Models/List</li><li>• Models/User</li></ul> |
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**Components/Login/Login**

Components/Popup/Popup

- |   |  |
|---|--|
| <ul style="list-style-type: none"><li>• Creates a UI for clients to login</li></ul> | <ul style="list-style-type: none"><li>• Components/Popup/Popup</li></ul> |
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**Components/Register/Register**

Components/Popup/Popup

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| <ul style="list-style-type: none"><li>• Creates a UI for clients to register a new account</li></ul> | <ul style="list-style-type: none"><li>• Components/Popup/Popup</li></ul> |
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**clients/app**

Components/Popup/Popup

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| <ul style="list-style-type: none"><li>• Displays all components built in the Components/ folder</li></ul> |  |
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**Components/Popup/Popup**

Components/Login/Login, Components/Register/Register

client/app

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|--|--|
| <ul style="list-style-type: none"><li>• Creates a UI to display either the login page or the registration page, depending on the current user.</li></ul> | <ul style="list-style-type: none"><li>• client/app</li></ul> |
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