**PayPal UI Take-home Exercise**

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**Specification**

This is a simple app to send money to friend’s family or services just by using email address.

**Assumption**:

* If the user selects “Send money to services” 2% of service tax is applied on the actual amount.
* Assuming only one user is playing the app.
* Supporting only 4 currencies.

**Client side validation and error handling:**

* Provided validation for Mandatory fields like “Email” ,”Amount” and “What’s this payment for”
* Next button will enable only if the data entered is valid or not blank.
* Provided server side validation. If something happens in the server, error will be sent back to user in user readable format.

**Furthers enchantment :**

* Adding Preview page for the user before submitting.
* Utilize real PayPal API to login and get transaction histories.
* Transaction history page will have “view details” button to view the details like service tax, time etc.
* Transaction history page can have search panel to search for specific record by email address.
* Cashing for transaction data.
* User should only be able to send it to registered email address.

**Technology and framework used:**

* JavaScript, JQuery for client side validation
* Html and CSS.
* Node’s with Express for server side.
* Mongodb database to stored data
* Ejs for dynamic UI

**How to run the app:**

**Step 1:**

Assuming Node.js and Mongo db is installed on the machine.

below frameworks needs to be included node package.

Node cmd>npm install express –save

Node cmd>npm install mongoose –save

Node cmd>npm install ejs –save

**Step 2:**

Run Mongodb

Note: Database connection string can be changed in app.js in line 14.

For me it’s -> mongoose.connect('mongodb://localhost:27017/assignmentdb');

**Step 3:**

URL to run the app

<http://127.0.0.1:1337/welcome>

Thank You