Here is the RESTful API design with parameters explicitly specified for each API endpoint:

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\*\*RESTful API Design Proposal:\*\*

1. \*\*Insertion (Create):\*\*

- \*\*Create a User:\*\*

- `POST /users`

- \*\*Create a Buyer:\*\*

- `POST /buyers`

- \*\*Create a Seller:\*\*

- `POST /sellers`

- \*\*Create a Commodity:\*\*

- `POST /commodities`

- \*\*Create a Picture for a Commodity:\*\*

- `POST /commodities/:CID/pictures`

- \*\*Buyer buying a Commodity:\*\*

- `POST /transactions`

2. \*\*Deletion (Delete):\*\*

- \*\*Delete a User:\*\*

- `DELETE /users/:UID`

- \*\*Delete a Buyer:\*\*

- `DELETE /buyers/:UID`

- \*\*Delete a Seller:\*\*

- `DELETE /sellers/:UID`

- \*\*Delete a Commodity:\*\*

- `DELETE /commodities/:CID`

- \*\*Delete a Picture for a Commodity:\*\*

- `DELETE /commodities/:CID/pictures/:pictureID`

- \*\*Delete a Transaction:\*\*

- `DELETE /transactions/:transactionID`

3. \*\*Selection (Read):\*\*

- \*\*Get a User:\*\*

- `GET /users/:UID`

- \*\*Get a Buyer:\*\*

- `GET /buyers/:UID`

- \*\*Get a Seller:\*\*

- `GET /sellers/:UID`

- \*\*Get a Commodity:\*\*

- `GET /commodities/:CID`

- \*\*Get Pictures of a Commodity:\*\*

- `GET /commodities/:CID/pictures`

- \*\*Get Transactions of a Buyer:\*\*

- `GET /buyers/:UID/transactions`

- \*\*Search for Commodity by Seller's UID:\*\*

- `GET /commodities?seller=:Seller\_UID`

\*\*Search Parameters:\*\*

- `:UID` - User ID

- `:CID` - Commodity ID

- `:pictureID` - Picture ID

- `:transactionID` - Transaction ID

- `:Seller\_UID` - Seller User ID

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This version explicitly mentions the parameters associated with each API endpoint for insertion, deletion, and selection operations. Feel free to use this information for your reference.