Backend Method Specification: /donor/request/list

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| Method Name: /donor/request/list | Class Name: Donor | ID: 1 |
| Clients (Consumers): Donor | | |
| Associated Use Cases: List Current Requests | | |
| Description of Responsibilities: List active blood requests that match the donor's blood type. | | |
| Argument Received: Token | | |
| Type of Value Returned: array of blood\_request if success (ok: true), otherwise an error message will be set. | | |
| Pre-Conditions: User is logged in and has valid token, user is a donor. | | |
| Post-Conditions: None | | |

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| Method Name: /donor/request/list | | | Class Name: Donor | ID: 1 |
| Contract ID: 1 | | | Programmer: Honghao Zeng | Date Due: |
| Programming language: ECMAScript | | | | |
| Triggers/Events: Donor requested list of requestests | | | | |
| Arguments Received & Data Type: | Notes: | | | |
| Token (string) | User token returned by user/auth | | | |
| Message Sent & Argument Passed: | | | Data Type: | Notes: |
| getUserInfo().blood\_type | | | int | Get donors bloodtype |
| getRequests().filter() | | | bool | Filter requests by blood type |
| Argument Returned: | | Notes: | | |
| blood\_request[] | | List of blood requests. | | |
| Algorithm Specification:  session = session.get(token)  if (!token) return "not logged in"  user = db.getUser(session)  if (user.type != 'DONOR') return "not donor"  blood\_type = user.blood\_type  requests = db.getRequests(blood\_type)  return requests; | | | | |