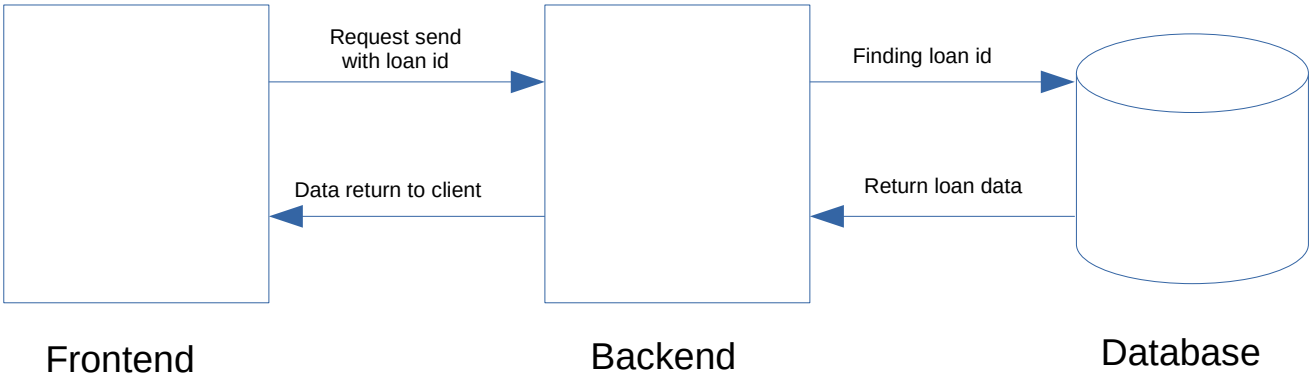

- User will interact with browser. User need to select the loan Id and that id will pass to the
- Backend will read user id and that check into the database
- if that record found then backend will read the data and return it to browser.
- Browser will read that data and display to screen.

Frontend:

- I have used the frontend as a **react js**. I also use library called **axios** for make the request call to backend.
- On the page load we make the reques to backend for load the 20 loan ids and it will populate it in to dropdown.
- User need to select one loan id and hit submit button to get the loan information.
- It will show actual result, predicted result, default probability, non-default probability etc.

Backend:

- I have used the backend as a **Flask**. I have created end point **/predict/<loan_id>**
- <loan_id> is nothing but the loan of the id.
- We have also one more end point for loading the loan ids on load time
- **/loan/id** it will return 20 loan ids to client

Database:

- We have used the database for store the information of loan id results.
- In database we have only one table **loan**
- Loan table contain loan_id, actual, predicted, default_prob, non_default_prob.
- Backend will find the perticular id for information