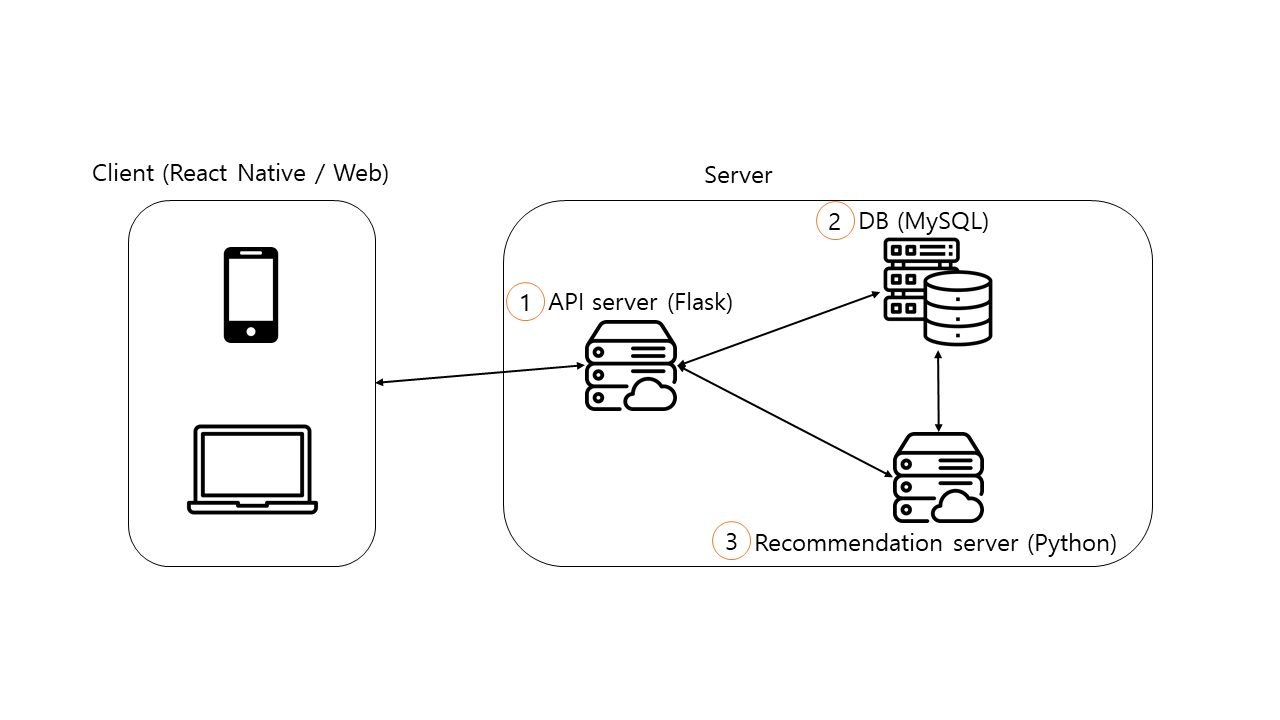
**Backend Interface Specification**

Easytodo

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1. API server (Flask)
   1. Input
      1. Client (requests with REST API) -> API server (responds with JSON)
         1. POST login
         2. POST logout
         3. DELETE account
         4. POST todoitem: for inserting/adding a new todoitem
         5. GET todoitem: for selecting/fetching my todoitems
         6. PUT todoitem: for updating an existing todoitem
         7. DELETE todoitem: removing a todoitem
         8. GET recommendation
   2. Output
      1. API server (requests with SQL query) -> DB (responds with data)
         1. SELECT/INSERT/UPDATE
      2. API server (requests with string through socket call) -> Recommendation server (responds with string data through socket)
         1. Get recommendation
2. DB (MySQL)
   1. Input
      1. API server (requests with MySQL query) -> DB (responds with data)
         1. SELECT/INSERT/UPDATE
      2. Recommendation system (requests with SQL query) -> DB (responds with data)
         1. SELECT
3. Recommendation server (Python)
   1. Input
      1. API server (requests with string through socket) -> Recommendation system (responds with string data through socket)
         1. Get recommendation
   2. Output
      1. Recommendation system (requests with SQL query) -> DB (procedure call: SQL query -> data)
         1. SELECT