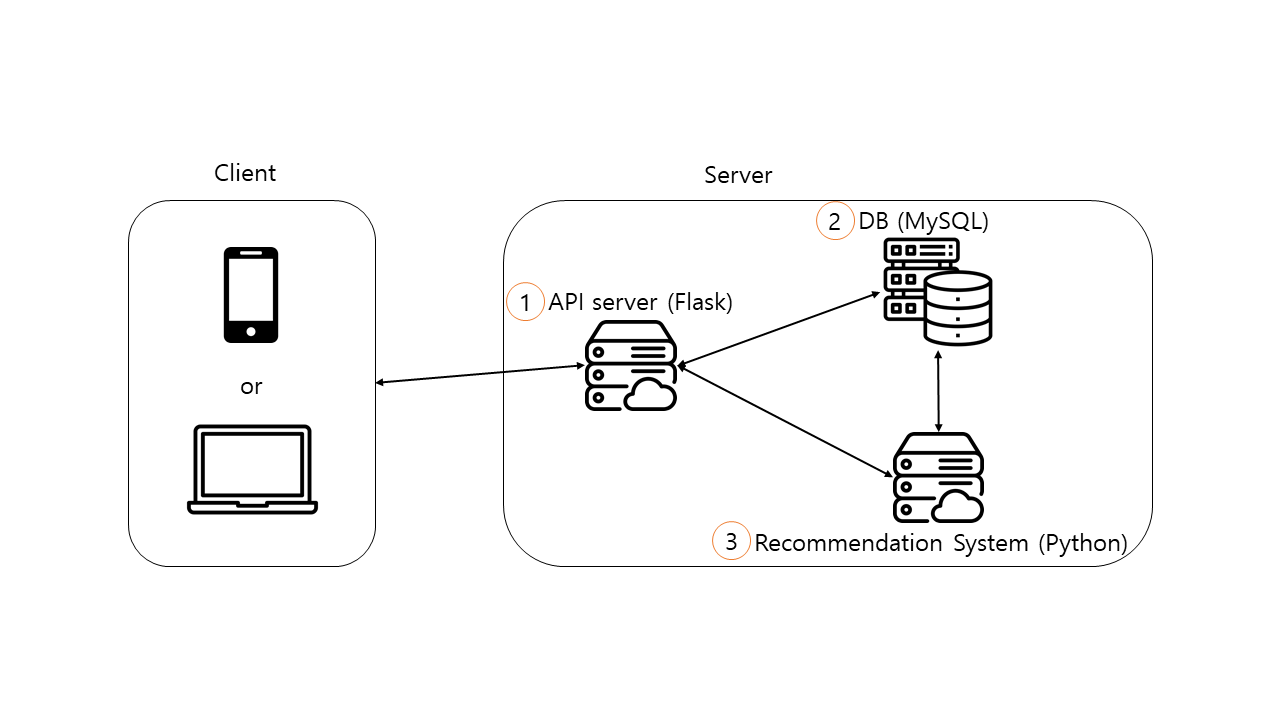
**Backend Interface Specification**

Easytodo

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1. API server (Flask)
   1. Input
      1. API -> Client (procedure call: REST -> JSON)
         1. POST login
         2. GET tododata
         3. PUT tododata
         4. GET recommendation
         5. POST logout
   2. Output
      1. API -> DB (procedure call: SQL query -> data)
         1. SELECT/INSERT/UPDATE
      2. API -> Recomm (procedure call: strings through socket)
         1. Get recommendation
2. DB (MySQL)
   1. Input
      1. API -> DB (procedure call: REST -> JSON)
         1. SELECT/INSERT/UPDATE
      2. Recomm -> DB (procedure call: SQL query -> data)
         1. SELECT
3. Recommendation System (Python)
   1. Input
      1. API -> Recomm (procedure call: strings through socket)
         1. Get recommendation
   2. Output
      1. Recomm -> DB (procedure call: SQL query -> data)
         1. SELECT