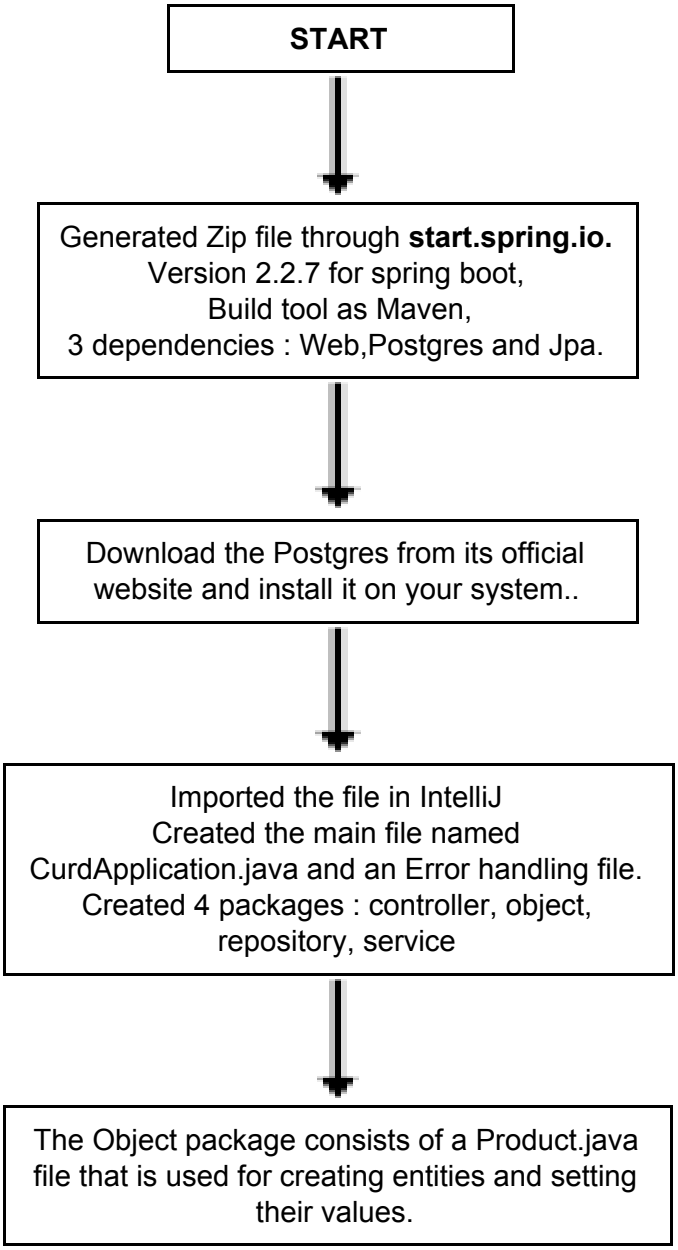
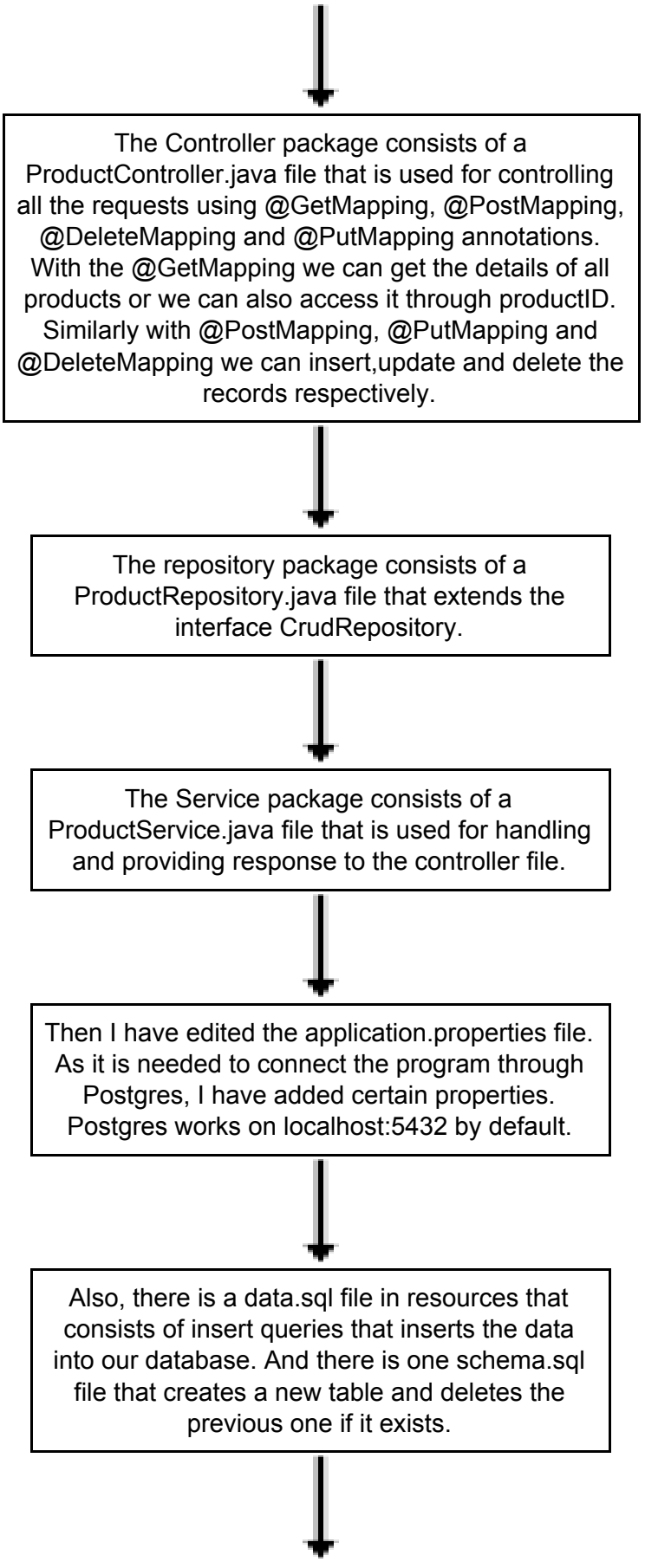
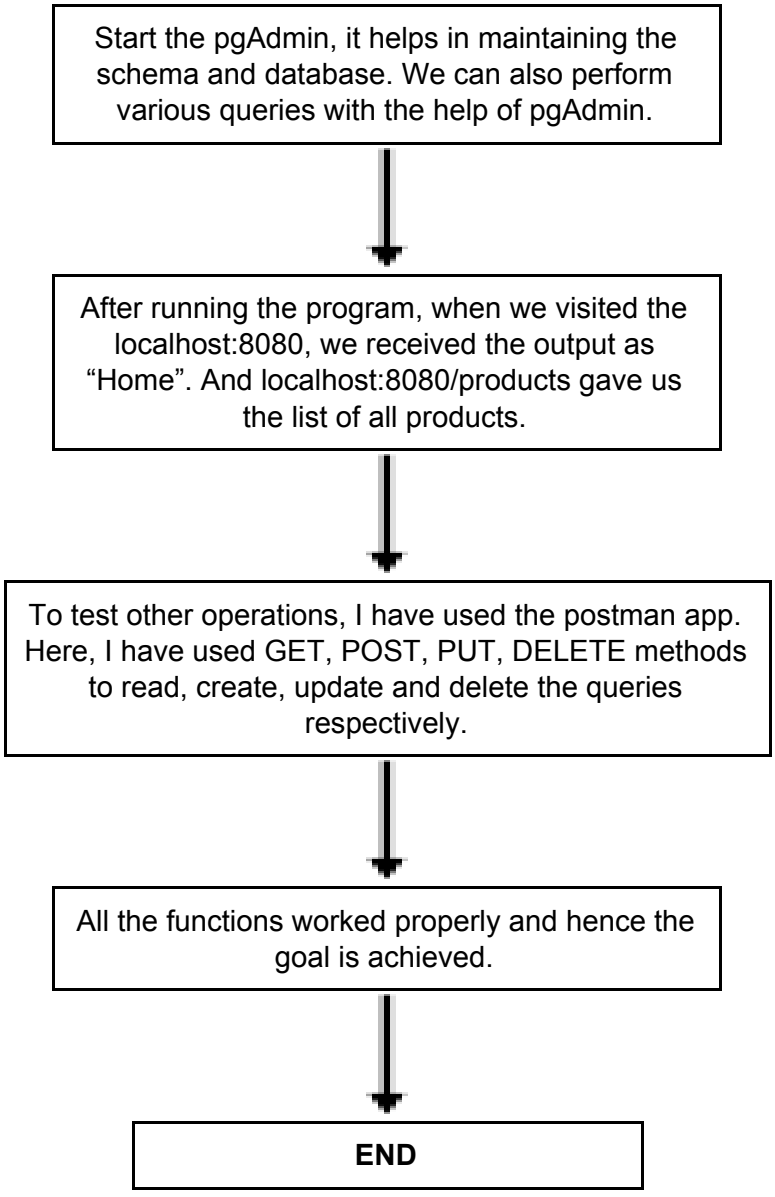
FLOW DIAGRAM FOR CRUD OPERATIONS USING POSTGRES DATABASE

GOAL	**TECH STACK**
Perform Crud operations using Postgres database (External Database)	IntelliJ IDEA Spring Boot 2.2.7 Maven 3.0+ PostgreSQL Dependencies : Web, Jpa,Postgres Postman App




The Controller package consists of a ProductController.java file that is used for controlling all the requests using @GetMapping, @PostMapping, @DeleteMapping and @PutMapping annotations. With the @GetMapping we can get the details of all products or we can also access it through productID. Similarly with @PostMapping, @PutMapping and @DeleteMapping we can insert,update and delete the records respectively.
The repository package consists of a ProductRepository.java file that extends the interface CrudRepository.
The Service package consists of a ProductService.java file that is used for handling and providing response to the controller file.
Then I have edited the application.properties file. As it is needed to connect the program through Postgres, I have added certain properties. Postgres works on localhost:5432 by default.
Also, there is a data.sql file in resources that consists of insert queries that inserts the data into our database. And there is one schema.sql file that creates a new table and deletes the previous one if it exists.



Some points that will help in removing roadblocks:

- Main java file should be above all the files.
- If the program throws some exception, check your pom.xml file, it should access the correct package.
- Control of the program must go in a sequence from one package to another.
- Error Handling program must be there.