<u>Application Name: Insurance Report Generation</u>

Plan Names: Cash / Food / Medical / Employment

Plan Status: Approved / Denied / Terminated

Gender: Male / Fe-Male

Note: Insert citizens records into DB table manually with given permutations and combinations.

Plan Name:	- Select -	Plan Status:	- Select -	Gender :	- Select -
Start Date:	-select-	End Date:	- select -	**Search**	

<search results will display here>

Export :   <u>Excel</u>   <u>Pdf</u>

1) Plan Name dropdown values should come from database table
2) Plan Status drop down values should come from database table
3) It is dynamic search functionality. Based on Search criteria we need to fetch records from database and display in UI.
4) When users click on 'Search' without selecting any filter then we need to fetch all records from DB table and display in UI.
5) When user click on 'Excel' then complete database table data should be exported to excel file and send that excel file as an attachment to your email id.
6) When user click on 'PDF' then complete database table data should be exported to pdf file and send that pdf file as an attachment to your email id.

DB Table: CITIZEN_PLANS_INFO

CITIZEN_ID	NUMBER	PRIMARY KEY
CITIZEN_NAME	VARCHAR	
GENDER	VARCHAR	
PLAN_NAME	VARCHAR	
PLAN_STATUS	VARCHAR	
PLAN_START_DATE	DATE	
PLAN_END_DATE	DATE	
BENEFIT_AMOUNT	NUMBER	
DENIAL_REASON	VARCHAR	
TERMINATED_DATE	DATE	
TERMINATION_REASON	VARCHAR	

Java components

1) CitizenPlan.java (Entity Class)

2) CitizenPlanRepository.java (Interface)

3) ReportService.java (interface)

4) ReportServiceImpl.java (class)

5) PdfGenerator.java (class)

6) ExcelGenerator.java (class)

7) EmailUtils.java (class)

8) ReportController.java (class)

9) SearchRequest.java (class) - form binding/command/DTO

10) DataLoader.java (runner class)

11) index.jsp