Chart Generation:

Jars:



Util Code for Chart generation:

@Component

**public** **class** LocationUtil {

@Autowired

**private** ILocationService serv;

**public** **void** generateAndSavePie(String path,List<Object[]> dataSet){

DefaultPieDataset dataset=**new** DefaultPieDataset();

**for**(Object[] data:dataSet){

dataset.setValue(data[0].toString(), **new** Double(data[1].toString()));

}

JFreeChart chart=ChartFactory.*createPieChart3D*("Area wise Report", dataset,**true**,**true**,**false**);

**try** {

ChartUtilities.*saveChartAsJPEG*(**new** File(path+"/reportALoc.jpg"), chart,400, 300);

} **catch** (IOException e) {

e.printStackTrace();

}

}

**public** **void** generateAndSaveBar(String path,List<Object[]> list){

DefaultCategoryDataset dataset=**new** DefaultCategoryDataset();

**for**(Object[] data:list){

dataset.addValue(**new** Double(data[1].toString()),data[0].toString(),"");

}

JFreeChart chart=ChartFactory.*createBarChart3D*("AREA WISE REPORT", "LOCATIONS", "COUNT", dataset);

**try** {

ChartUtilities.*saveChartAsJPEG*(**new** File(path+"/reportBLoc.jpg"), chart,400, 300);

} **catch** (IOException e) {

e.printStackTrace();

}

}

}

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UI Link: In New jspfile: LocationData.jsp

<a href=*"generateReports"*>Report</a>

**Controller code**

**add**

@Autowired

**private** ServletContext context;

@Autowired

**private** LocationUtil locUtil;

**Controller Method code:**

@RequestMapping("/generateReports")

**public** String showReport(){

String path=context.getRealPath("/");

List<Object[]> dataSet=service.getLocationWiseCount();

locUtil.generateAndSavePie(path,dataSet);

locUtil.generateAndSaveBar(path, dataSet);

**return** "LocationReport";

}

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Dao Code:

**public** List<Object[]> getLocationWiseCount() {

List<Object[]> data=ht.find("select loc.locType,count(locId) from "+Location.**class**.getName()+" loc group by loc.locType");

**return** data;

}

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UI Display:

In New jspfile: LocationReport.jsp

<img src=*"../reportALoc.jpg"*/>

<img src=*"../reportBLoc.jpg"*/>

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