

Mango Feature Implementation Project

**Project Workflow Activity
&**

TEAM MEMBERS CONTRIBUTIONS

Spring 2024 CS 550 SDD: Software Design and Development

[GITHUB REPOSITORY LINK](#)

Team Members:

Jessy Jacob Mesapam
Durga Venkata Vamsi Akula
Deepthi Yanamala
Jashitha Boyapati
Prachi Lotake

1. Team Contributions

The project team consists of 5 students of whom each assigned with a feature and everyone's contributions are added to GitHub repository created by Jessy Jacob Mesapam. The network graph of the branches in the repository is shown in figure 1.1 .The GitHub repository consists of four branches, a main branch and three feature specific branches which were later merged into the main branch after each feature's successful implementation. Figure 1.2 shows the screenshot of activity by all the collaborators throughout the project.

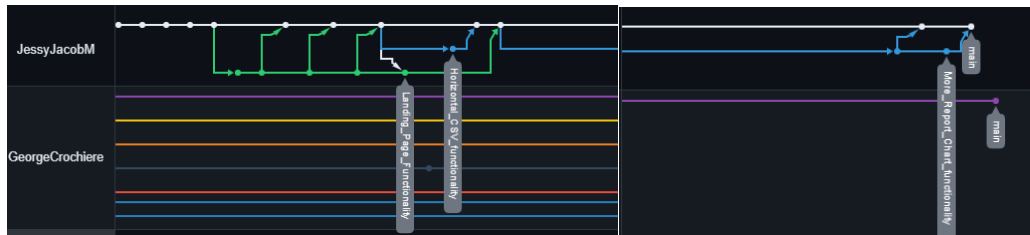


Fig 1.1: the network graph of the timeline of commits during the project.

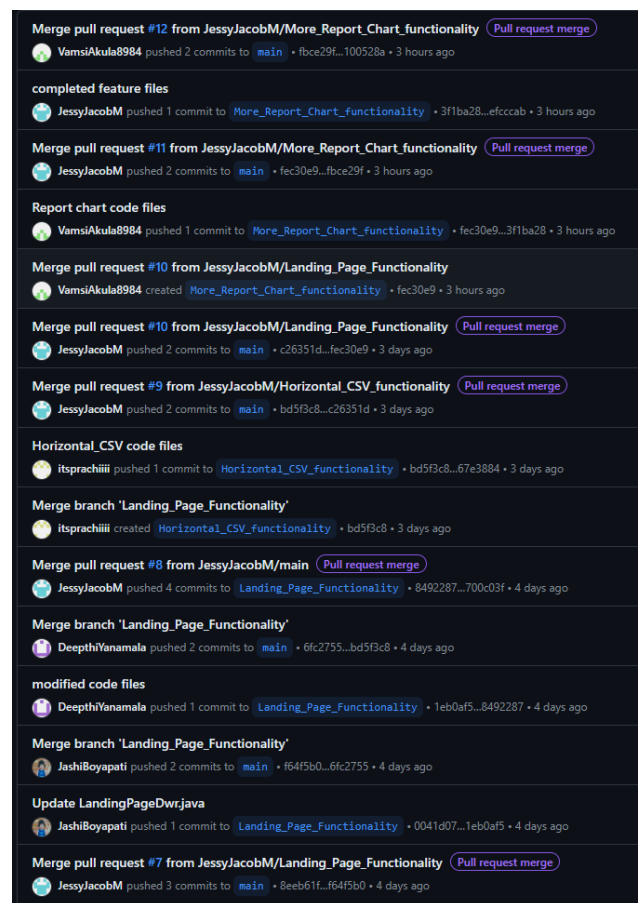


Fig 1.2: The activity from all the branches in the repository

2. Data Report chart Functionality:

2.1.Jessy Jacob Mesapam:

Uploaded files:

- ReportDao.java
- ImageChartUtils.java
- ReportChartCreator.java
- ReportPointInfo.java
- ReportPointVO.java

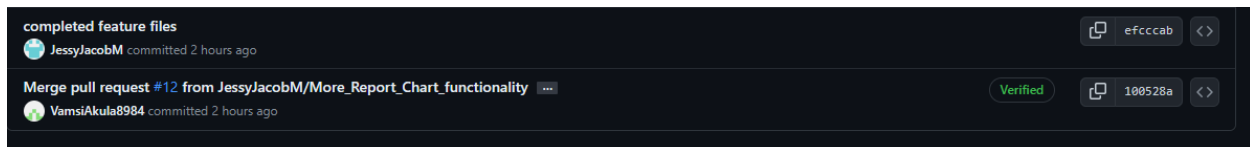


Fig 2.1: Screenshot showing the commits and merge made for Data Report Chart Functionality

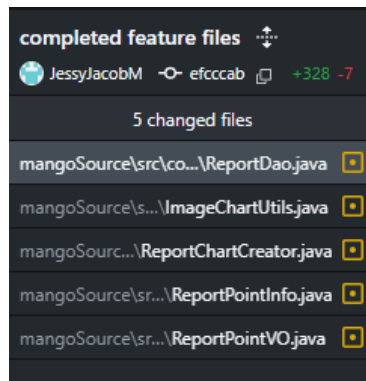


Fig 2.2: Screenshot of the code differences made by Jessy Jacob Mesapam generated by GitHub.

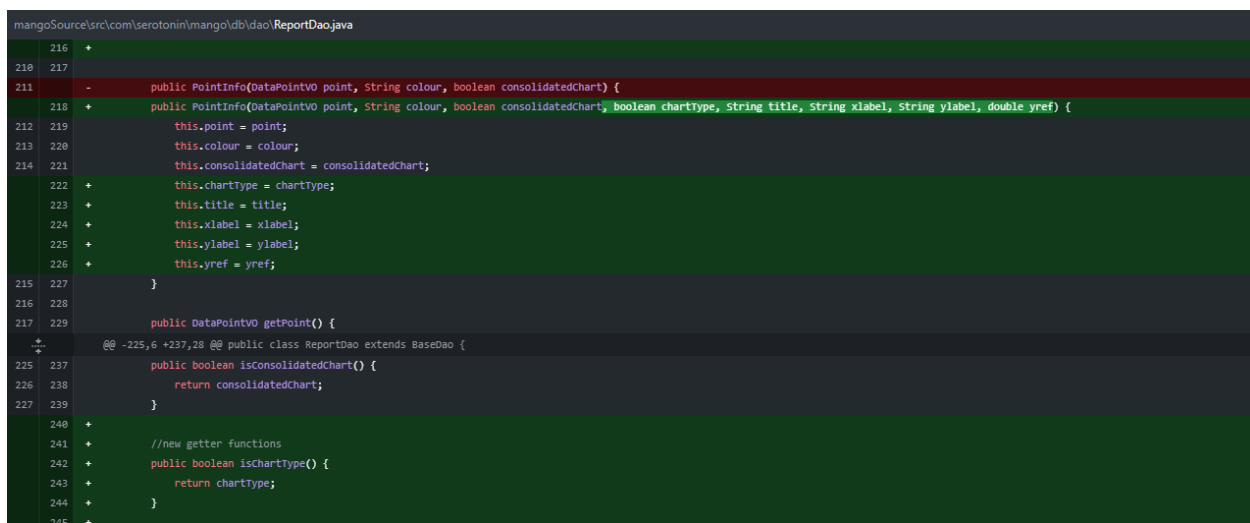


Fig 2.3: Screenshot of the code differences made in ReportDao.java

2.2. Vamsi Akula

Uploaded files:

- ReportWorkItem.java
- ReportsDwr.java
- messages_en.properties
- reports.jsp



Fig 2.4: Screenshot showing the commits and merge made for Data Report Chart Functionality

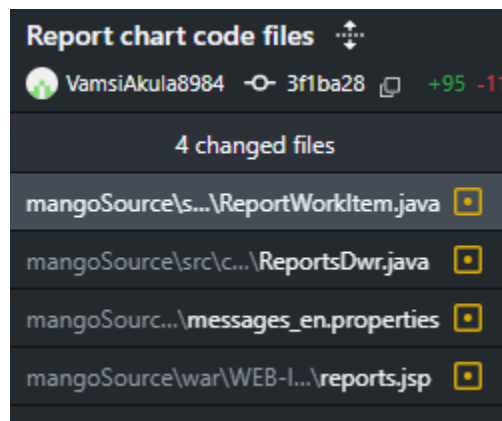


Fig 2.5: Screenshot of the code differences made by Vamsi Akula generated by GitHub.

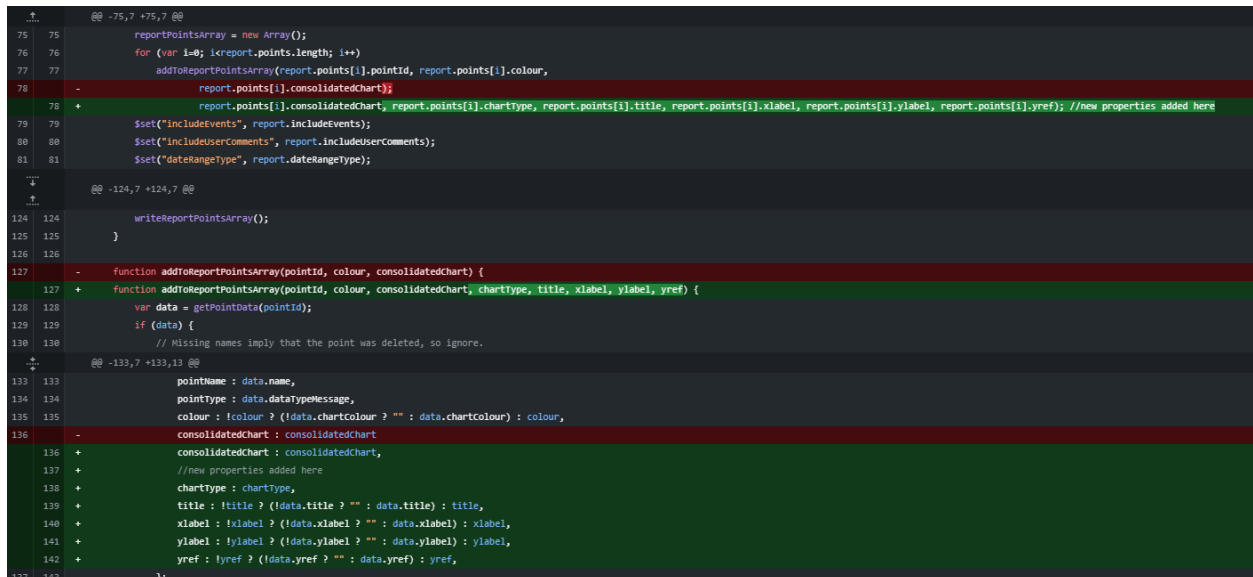


Fig 2.6: Screenshot of the code differences made in ReportWorkItem.java

3. Landing Page Functionality

3.1. Deepthi Yanamala

Uploaded files:

- MiscDwr.java
- applicationContext.xml
- messages_en.properties
- help.html
- dwr.xml
- warningContent.jsp
- watchListMessages.jsp
- springDispatcher-servlet.xml
- page.tag

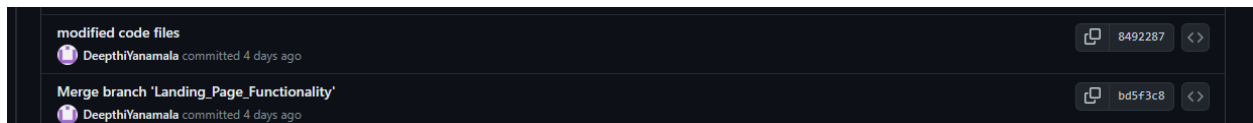


Fig 3.1: Screenshot showing the commits and merge made for Landing Page Functionality

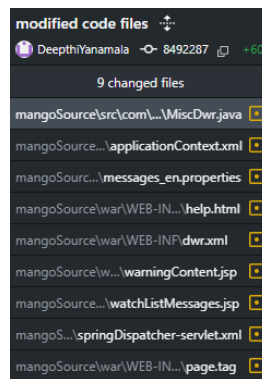


Fig 3.2: Screenshot of the code differences made by Vamsi Akula generated by GitHub

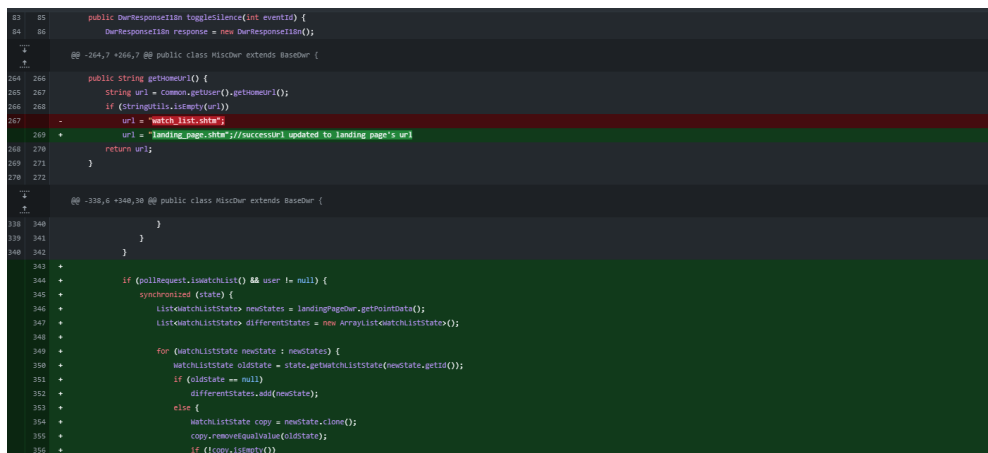


Fig 3.3: Screenshot of the code differences made in MiscDwr.java

3.2. Jashitha Boyapati

Uploaded files:

- Welcome.html
- landingPage.jsp
- landing_page.png
- sensors.png
- LandingPageDwr.java
- LandingPageController.java

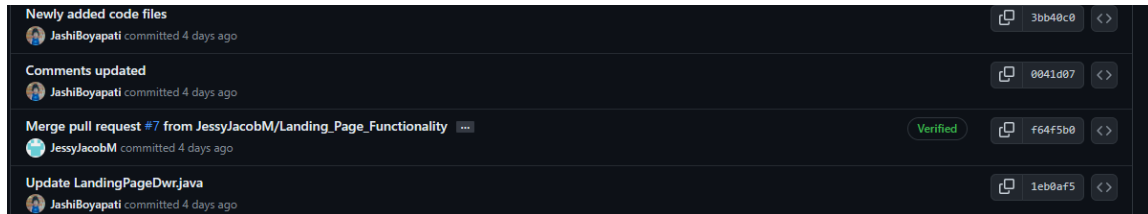


Fig 3.4: Screenshot showing the commits and merge made for Landing Page Functionality

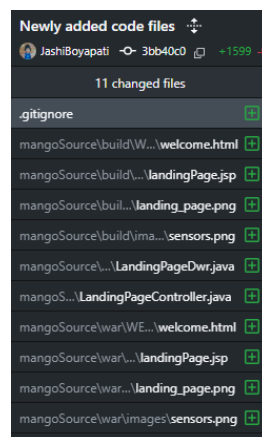


Fig 3.5: Screenshot of the code differences made by Jashitha Boyapati generated by GitHub

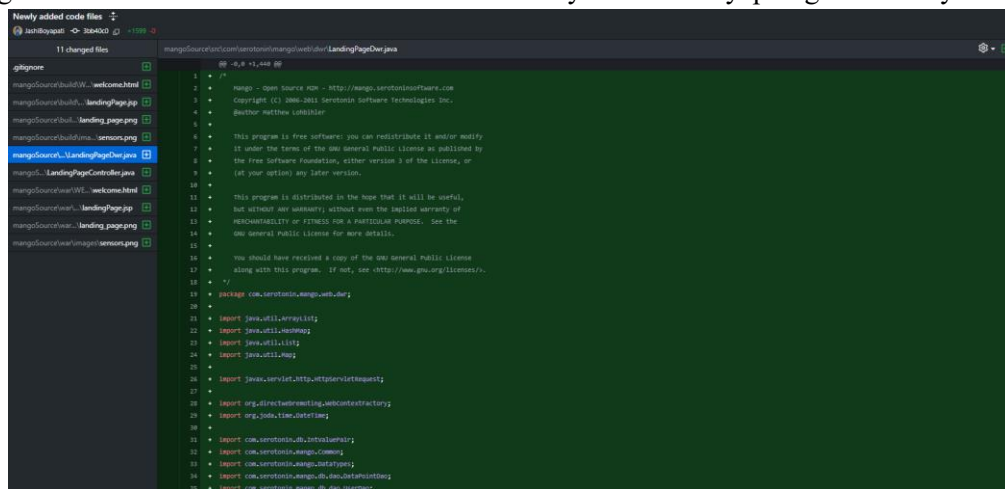


Fig 3.6: Screenshot of the code differences made in LandingPageDwr.java

4. Horizontal CSV Functionality

4.1. Prachi Lotake

Uploaded files:

- ReportDao.java
- ReportChartCreator.java
- ReportCsvStreamer.java
- ReportDataStreamHandler.java
- ChartExportServlet.java
- ReportExportBase.java

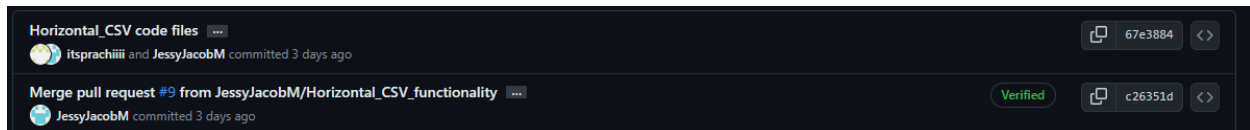


Fig 4.1: Screenshot showing the commits and merge made for Horizontal CSV Functionality

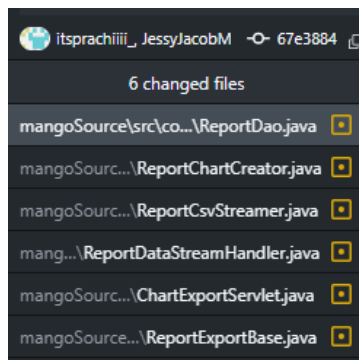


Fig 4.2: Screenshot of the code differences made by Prachi Lotake generated by GitHub

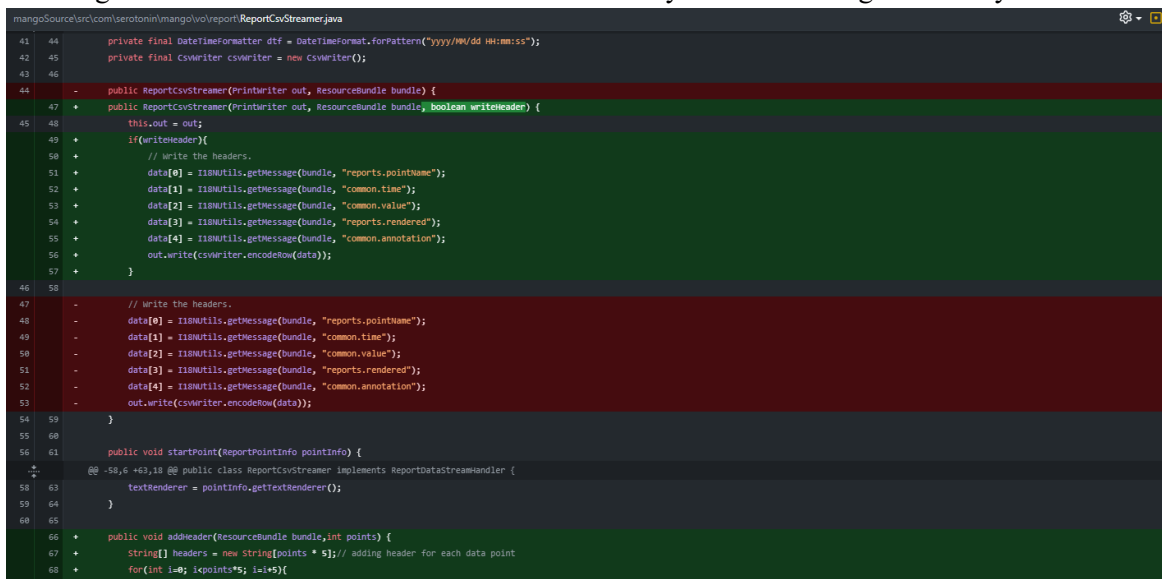


Fig 4.3: Screenshot of the code differences made in ReportCsvStreamer.java