**CS506 Assignment #2 Fall 2023**

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**TransactionServlet Code:**

protected void processRequest(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html;charset=UTF-8");

try (PrintWriter out = response.getWriter()) {

double initialBalance = Double.parseDouble(request.getParameter("Balance"));

String transactionType = request.getParameter("Type");

double transactionAmount = Double.parseDouble(

request.getParameter("Amount"));

double updatedBalance = initialBalance;

if(transactionType.equals("Withdrawal"))

{

updatedBalance -= transactionAmount;

}

else

{

updatedBalance += transactionAmount;

}

request.setAttribute("updatedBalance", updatedBalance);

request.getRequestDispatcher("BalanceServlet").forward(request, response);

}

}

**BalanceServlet Code:**

protected void processRequest(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html;charset=UTF-8");

try (PrintWriter out = response.getWriter()) {

double updatedBalance = (double) request.getAttribute("updatedBalance");

out.println("<!DOCTYPE html>");

out.println("<html>");

out.println("<head>");

out.println("<title>Servlet BalanceServlet</title>");

out.println("</head>");

out.println("<body>");

out.println("<p>Transaction successful. New Balance: " + updatedBalance + "</p>");

out.println("</body>");

out.println("</html>");

}

}

**Screenshots:**







