***3. CLASS INTERFACE***

***3.1.1 Class Interface Controller- Gestione Acquisto***

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| **Nome Classe** |
| AllOrdersViewServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** AllOrdersViewServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre :** req.getSession().getAttribute("personalCustomer") != null |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** AllOrdersViewServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post :** req.setAttribute("orders") && req.setAttribute("products") |

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| **Nome Classe** |
| PaymentServlet |
| Attributi |
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| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** PaymentServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre :** request.getParameter("id") = "elimina" |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** PaymentServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post :**  request.getSession().removeAttribute("info") |

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| **Nome Classe** |
| PaymentServlet |
| Attributi |
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| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** PaymentServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre :** request.getParameter("id") = "procedi" |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** PaymentServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |
| PaymentServlet |
| Attributi |
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| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** PaymentServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre :** request.getParameter("id") = "pagamento" |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** PaymentServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post :**  request.getSession().setAttribute("info") |

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| **Nome Classe** |
| PaymentServlet |
| Attributi |
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| Metodi |
| +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doPost(HttpServletRequest request, HttpServletResponse  response):  **context** PaymentServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse)  **pre :** request.getParameter("pay”) = "Procedi al pagamento" |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** PaymentServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |
| ShowCatServlet |
| Attributi |
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| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** ShowCartServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre :** [request.getParameter("customer”) != null && req.getParameter(“addCart”) != null ] ||  [request.getParameter("customer”) != null && req.getParameter(“addCart”) == null && req.getParameter(“delete”) != null ]  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** ShowCartServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** ShowCartServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:** req.getSession().setAttribute("cart", cart);  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** ShowCartServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

***3.1.2 Class Interface Controller- Gestione Customer***

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| **Nome Classe** |
| CustomerManagerReviewServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerManagerReviewServlet :: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre :** request.getSession().getAttribute("customerManager") == null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerManagerReviewServlet :: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerManagerReviewServlet :: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:** message("Solo il catalogue manager può effettuare questa operazione!!")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerManagerReviewServlet :: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |
| CustomerManagerReviewServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerManagerReviewServlet :: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre :** request.getParameter("r\_id") != null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerManagerReviewServlet :: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerManagerReviewServlet :: do  Get(request:HttpServletRequest,response:HttpServletResponse)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerManagerReviewServlet :: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |
| CustomerManagerServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerManagerServlet :: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre :** request.getSession().getAttribute("customerManager") == null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerManagerServlet :: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerManagerServlet :: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:** message("Solo il catalogue manager può effettuare questa operazione!!")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerManagerServlet :: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |
| CustomerManagerServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerManagerServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre :** request.getParameter("id") == null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerManagerServlet :: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerManagerServlet :: do  Get(request:HttpServletRequest,response:HttpServletResponse)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerManagerServlet :: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

***3.1.3 Class Interface Controller- Gestione Interazione***

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| **Nome Classe** |
| FollowBooklistServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** FollowBooklistServlet :: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre :** request.getSession().getAttribute("personalCustomer")  == null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** FollowBooklistServlet :: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** FollowBooklistServlet :: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:** message("HEYY, devi fare l'accesso prima!!")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** FollowBooklistServlet :: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| --- |
| **Nome Classe** |
| FollowBooklistServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** FollowBooklistServlet :: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre :** request.getParameter("follow") != null || request.getParameter("unFollow") != null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** FollowBooklistServlet :: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** FollowBooklistServlet :: do  Get(request:HttpServletRequest,response:HttpServletResponse)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** FollowBooklistServlet :: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |
| FollowEditServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** FollowEditServlet :: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre :** request.getSession().getAttribute("personalCustomer") || request.getParameter("follow") != null || request.getParameter("unFollow") != null || request.getParameter("editProfile") != null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** FollowEditServlet :: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** FollowEditServlet :: do  Get(request:HttpServletRequest,response:HttpServletResponse)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** FollowEditServlet :: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |
| Followerservlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** FollowersServlet :: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre :** request.getParameter("Following")!=null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** Followerservlet :: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** FollowersServlet :: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:**  request.setAttribute("Following") && request.setAttribute("follows")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** FollowersServlet :: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |
| Followerservlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** FollowersServlet :: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre :** request.getParameter("Followers")!=null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** Followerservlet :: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** FollowersServlet :: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:**  request.setAttribute("Followers") && request.setAttribute("follows")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** FollowersServlet :: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

***3.1.4 Class Interface Controller- Gestione Libri***

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| **Nome Classe** |
| CatalogueManagerCreazioneModificaServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** CatalogueManagerCreazioneModificaServlet :: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre :** request.getSession().getAttribute("catalogueManager") == null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CatalogueManagerCreazioneModificaServlet :: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** CatalogueManagerCreazioneModificaServlet :: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:**  message("Solo il catalogue manager può effettuare questa operazione!!")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CatalogueManagerCreazioneModificaServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |
| CatalogueManagerCreazioneModificaServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** CatalogueManagerCreazioneModificaServlet :: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre :** request.getParameter("isbn\_modifica") != “”  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CatalogueManagerCreazioneModificaServlet :: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** CatalogueManagerCreazioneModificaServlet :: do  Get(request:HttpServletRequest,response:HttpServletResponse)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CatalogueManagerCreazioneModificaServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |
| CatalogueManagerInserimentoRimozioneServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** CatalogueManagerInserimentoRimozioneServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre :** request.getSession().getAttribute("catalogueManager") == null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CatalogueManagerInserimentoRimozioneServlet :: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** CatalogueManagerInserimentoRimozioneServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:**  message("Solo il catalogue manager può effettuare questa operazione!!")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CatalogueManagerInserimentoRimozioneServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |
| CatalogueManagerInserimentoRimozioneServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** CatalogueManagerInserimentoRimozioneServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre :** request.getParameter("operazione") != null && request.getParameter("operazione") ="modifica”  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CatalogueManagerInserimentoRimozioneServlet :: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** CatalogueManagerInserimentoRimozioneServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:** request.setAttribute("operazione") && request.setAttribute("book") && request.setAttribute("authors")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CatalogueManagerInserimentoRimozioneServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |
| CatalogueManagerInserimentoRimozioneServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** CatalogueManagerInserimentoRimozioneServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre :** request.getParameter("operazione") != null && request.getParameter("operazione") !="modifica”  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CatalogueManagerInserimentoRimozioneServlet :: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** CatalogueManagerInserimentoRimozioneServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:** request.setAttribute("operazione")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CatalogueManagerInserimentoRimozioneServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

***3.1.5 Class Interface Controller- Gestione Ticket***

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| **Nome Classe** |
| AllTicketServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** AllTicketServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre :**  request.getSession().getAttribute("personalCustomer") == null && equest.getSession().getAttribute("customerManager") == null && request.getSession().getAttribute("systemManager") == null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CAllTicketServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** AllTicketServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:** message("Bisogna prima effettuare l'accesso!!")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** AllTicketServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |
| AllTicketServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** AllTicketServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre :** request.getSession().getAttribute("customerManager") != null || request.getSession().getAttribute("systemManager") |= null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CAllTicketServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** AllTicketServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:** request.setAttribute("ticketsR") && request.setAttribute("tickets")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** AllTicketServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |
| AllTicketServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** AllTicketServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre :** request.getSession().getAttribute("personalCustomer) != null ||  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CAllTicketServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** AllTicketServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:**  request.setAttribute("tickets")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** AllTicketServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |
| NewMessageServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** NewMessageServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** NewMessageServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getSession().getAttribute(“personalCustomer”) != null |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** NewMessageServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** NewMessageServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse)  **post:** session.removeAttribute("ticket") && request.setAttribute("tickets") |

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| **Nome Classe** |
| NewMessageServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** NewMessageServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** NewMessageServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getSession().session.getAttribute("customerManager") != null ||  request.getSession().session.getAttribute("systemManager") != null |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** NewMessageServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** NewMessageServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse)  **post:** session.removeAttribute("ticket") && request.setAttribute("tickets") && request.setAttribute("ticketsR") |

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| **Nome Classe** |
| NewTicketServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** NewTicketServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** NewTicketServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getSession().getAttribute"customerManager") != null || request.getSession().getAttribute("systemManager") != null |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** NewTicketServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** NewTicketServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse)  **post:** message("Errore! L'admin non può creare il ticket") |

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| **Nome Classe** |
| NewTicketServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** NewTicketServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** NewTicketServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getSession().getAttribute("customerManager") == null && request.getSession().getAttribute("systemManager") == null && request.getSession().getAttribute(“personalCustomer”) != null |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** NewTicketServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** NewTicketServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse)  **post:** request.setAttribute("tickets") |

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| **Nome Classe** |
| TicketViewServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** TicketViewServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getParameter("name") == null && request.getSession().getAttribute("personalCustomer") == null && request.getSession().getAttribute("customerManager") == null && request.getSession().getAttribute("systemManager") == null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** TicketViewServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** TicketViewServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:** message(Bisogna prima effettuare l'accesso!!")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** TicketViewServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |
| TicketViewServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** TicketViewServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getParameter("name") == null && request.getSession().getAttribute("personalCustomer") != null || request.getSession().getAttribute("customerManager") != null || request.getSession().getAttribute("systemManager") != null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** TicketViewServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** TicketViewServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:** request.setAttribute("messages")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** TicketViewServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |
| TicketViewServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** TicketViewServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getParameter("name") = “accept” &&  request.getSession().getAttribute("customerManager") == null && request.getSession().getAttribute("systemManager") == null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** TicketViewServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** TicketViewServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:** message(Solo il customer manager e il system managere possono effettuare quest'operazione!!")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** TicketViewServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |
| TicketViewServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** TicketViewServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getParameter("name") = “accept” &&  request.getSession().getAttribute("customerManager") != null || request.getSession().getAttribute("systemManager") != null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** TicketViewServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** TicketViewServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:** request.setAttribute("ticket") && request.setAttribute("ticketR")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** TicketViewServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |
| TicketViewServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** TicketViewServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getParameter("name") = “delete” &&  request.getSession().getAttribute("customerManager") == null && request.getSession().getAttribute("systemManager") == null && request.getSession().getAttribute("personalCustomer") == null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** TicketViewServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** TicketViewServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:** message(Bisogna prima effettuare l'accesso!!")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** TicketViewServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

***3.1.6 Class Interface Controller- Gestione Utente***

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| **Nome Classe** |
| AddBookBooklistServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** AddBookBooklistServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getSession().getAttribute("personalCustomer")==null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** AddBookBooklistServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** AddBookBooklistServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:** message(Bisogna prima effettuare l'accesso!!")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** AddBookBooklistServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |
| AddBookBooklistServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** AddBookBooklistServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getSession().getAttribute("personalCustomer")!=null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** AddBookBooklistServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** AddBookBooklistServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:** request.setAttribute("books")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** AddBookBooklistServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |
| AllBooklistServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** AllBooklistServlet: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getParameter("id") != null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** AllBooklistServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** AllBooklistServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:** request.setAttribute("idCustomer") &&equest.setAttribute("booklists" ) && request.setAttribute("followed")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** AllBooklistServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |
| BooklistViewServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** BooklistViewServlet: do Get(request:HttpServletRequest,response:HttpServletResponse)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** BooklistViewServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** BooklistViewServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:** request.setAttribute("booklist") && request.setAttribute("books")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** BooklistViewServle:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |

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| BooklistViewServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** BooklistViewServlet: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getSession().getAttribute("personalCustomer")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** BooklistViewServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** BooklistViewServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:** request.setAttribute("booklist") && request.setAttribute("books") && request.setAttribute("follow") && request.setAttribute("idCustomer")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** BooklistViewServlet :: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |

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| CustomerEditServlet |
| Attributi |
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| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context**CustomerEditServlet: do Get(request:HttpServletRequest,response:HttpServletResponse)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerEditServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getSession().getAttribute("personalCustomer") == null |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerEditServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerEditServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse)  **post:** message("Bisogna prima effettuare l'accesso!!") |

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| **Nome Classe** |

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| CustomerEditServlet |
| Attributi |
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| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context**CustomerEditServlet: do Get(request:HttpServletRequest,response:HttpServletResponse)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerEditServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getSession().getAttribute("personalCustomer") != null |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerEditServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerEditServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse)  **post:** request.setAttribute("idCustomer") |

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| **Nome Classe** |

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| CustomerServlet |
| Attributi |
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| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerServlet: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getParameter("customerView") != null && request.getSession().getAttribute("personalCustomer”) != null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:** request.setAttribute("customer") && request.setAttribute("preferiti" ) && request.setAttribute("follow") && request.setAttribute("idCustomer")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |

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| CustomerServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerServlet: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getParameter("customerView") == null && request.getParameter("personalView")!= null && request.getParameter("personalCustomer") == null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:** message("HEYY, devi fare l'accesso prima!!")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |

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| CustomerServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerServlet: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getParameter("customerView") == null && request.getParameter("personalView")!= null && request.getParameter("personalCustomer") != null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:** request.setAttribute("idCustomer") && request.setAttribute("preferiti")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** CustomerServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |

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| EditCreaBooklistServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** EditCreaBooklistServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getParameter("personalCustomer") == null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** EditCreaBooklistServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** EditCreaBooklistServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:** message("HEYY, devi fare l'accesso prima!!")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** EditCreaBooklistServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |

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| EditDeleteBooklistServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** EditCreaBooklistServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getParameter("personalCustomer") == null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** EditDeleteBooklistServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** EditDeleteBooklistServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:** message("HEYY, devi fare l'accesso prima!!")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** EditDeleteBooklistServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |

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| EditDeleteBooklistServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** EditCreaBooklistServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getParameter("delete") == null && request.getParameter("addPreferiti") == null && request.getParameter("edit") != null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** EditDeleteBooklistServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** EditDeleteBooklistServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:** request.setAttribute("operazione") && request.setAttribute("books") && request.setAttribute("booklist")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** EditDeleteBooklistServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |

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| EditDeleteBooklistServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** EditCreaBooklistServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getParameter("delete") == null && request.getParameter("addPreferiti") == null && request.getParameter("edit") == null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** EditDeleteBooklistServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** EditDeleteBooklistServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:** request.setAttribute("operazione”)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** EditDeleteBooklistServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |

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| EditDeleteBooklistServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** EditCreaBooklistServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getParameter("delete") == null && request.getParameter("addPreferiti") == null && request.getParameter("edit") == null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** EditDeleteBooklistServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** EditDeleteBooklistServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:** request.setAttribute("operazione”)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** EditDeleteBooklistServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |

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| LoginServlet |
| Attributi |
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| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** EditCreaBooklistServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** EditDeleteBooklistServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** EditDeleteBooklistServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** EditDeleteBooklistServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse)  **post:**  [request.getSession().setAttribute("personalCustomer") && request.getSession().setAttribute("cart") ] || request.getSession().setAttribute(“customerManager”)|| request.getSession().setAttribute(“catalogueManager”)|| request.getSession().setAttribute(“systemManager”) || message("Le credenziali inserite non sono valide!!") |

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| **Nome Classe** |

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| LogoutServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** EditCreaBooklistServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getSession.getAttribute("personalCustomer")== null && request.getSession.getAttribute("customerManager")== null && request.getSession.getAttribute("catalogueManager")== null && request.getSession.getAttribute("systemManager")== null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** EditDeleteBooklistServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** EditDeleteBooklistServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:**  message("Bisogna aver effettuato l’accesso!!")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** EditDeleteBooklistServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |

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| LogoutServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** EditCreaBooklistServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getSession.getAttribute("personalCustomer")== null && request.getSession.getAttribute("customerManager")== null && request.getSession.getAttribute("catalogueManager")== null && request.getSession.getAttribute("systemManager")== null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** EditDeleteBooklistServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** EditDeleteBooklistServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:**  request.getSession().removeAttribute(“personalCustomer”)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** EditDeleteBooklistServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |

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| LogoutServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** EditCreaBooklistServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getSession.getAttribute("personalCustomer")== null && request.getSession.getAttribute("customerManager")!= null && request.getSession.getAttribute("catalogueManager")== null && request.getSession.getAttribute("systemManager")== null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** EditDeleteBooklistServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** EditDeleteBooklistServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:**  request.getSession().removeAttribute(“customerManager”)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** EditDeleteBooklistServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |

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| LogoutServlet |
| Attributi |
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| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** EditCreaBooklistServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getSession.getAttribute("personalCustomer")== null && request.getSession.getAttribute("customerManager")== null && request.getSession.getAttribute("catalogueManager")!= null && request.getSession.getAttribute("systemManager")== null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** EditDeleteBooklistServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** EditDeleteBooklistServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:**  request.getSession().removeAttribute(“catalogueManager”)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** EditDeleteBooklistServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |

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| LogoutServlet |
| Attributi |
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| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** EditCreaBooklistServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getSession.getAttribute("personalCustomer")== null && request.getSession.getAttribute("customerManager")== null && request.getSession.getAttribute("catalogueManager")== null && request.getSession.getAttribute("systemManager")!= null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** EditDeleteBooklistServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** EditDeleteBooklistServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:**  request.getSession().removeAttribute(“systemManager”)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** EditDeleteBooklistServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |

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| RegistrationServlet |
| Attributi |
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| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** RegistrationServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** RegistrationServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getParameter("email").matches("^\\w+([\\.-]?\\w+)\*@\\w+([\\.-]?\\w+)\*(\\.\\w{2,3})+$") == false |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** RegistrationServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** RegistrationServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse)  **post:**  message(“formato email non corretto”) |

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| **Nome Classe** |

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| RegistrationServlet |
| Attributi |
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| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** RegistrationServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** RegistrationServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getParameter("email").matches("^\\w+([\\.-]?\\w+)\*@\\w+([\\.-]?\\w+)\*(\\.\\w{2,3})+$") == true && request.getParameter("password").matches("^(?=.\*[A**-**Za**-**z])(?=.\*\\d)[A**-**Za**-**z\\d]{8,}$") == false |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** RegistrationServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** RegistrationServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse)  **post:**  message(“password non conforme”) |

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| **Nome Classe** |

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| ReviewServlet |
| Attributi |
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| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** ReviewServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getSession().getAttribute(“personalCustomer”) == null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** ReviewServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** ReviewServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:**  message(“Devi prima effettuare l’accesso!!”)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** ReviewServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |

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| ReviewServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** ReviewServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getSession().getAttribute(“personalCustomer”) != null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** ReviewServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** ReviewServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:**  request.setAttribute("book") && request.setAttribute("recensioni") && request.setAttribute("customers")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** ReviewServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |

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| ScegliBooklistServlet |
| Attributi |
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| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** ScegliBooklistServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getSession().getAttribute(“personalCustomer”) == null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** ScegliBooklistServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** ScegliBooklistServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:**  message(“devi prima effettuare l’accesso”)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** ScegliBooklistServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |

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| ScegliBooklistServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** ScegliBooklistServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.getSession().getAttribute(“personalCustomer”) == null  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** ScegliBooklistServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** ScegliBooklistServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:**  request.setAttribute("isbn") && request.setAttribute("booklists")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** ScegliBooklistServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |

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| ScegliBooklistServlet |
| Attributi |
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| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** ScegliBooklistServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** ScegliBooklistServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** ScegliBooklistServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:**  response.setContentType("text/xml")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** ScegliBooklistServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

***3.1.7 Class Interface Controller- Gestione visualizzazione***

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| **Nome Classe** |

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| HomeServlet |
| Attributi |
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| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** HomeServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** HomeServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** HomeServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** HomeServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse)  **post:**  request.getSession().setAttribute("utentiHome") && request.getSession().setAttribute("libriHome") |

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| **Nome Classe** |

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| MostraLibriServlet |
| Attributi |
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| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** MostraLibriServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** MostraLibriServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** MostraLibriServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:** request.setAttribute("books")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** MostraLibriServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |

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| PaginaLibroServlet |
| Attributi |
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| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** PaginaLibroServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre:**request.setAttribute("recensioni") && request.setAttribute("book") && request.setAttribute("customers")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** PaginaLibroServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** PaginaLibroServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:** request.setAttribute("books")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** PaginaLibroServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |

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| RicercaServlet |
| Attributi |
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| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** PaginaLibroServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre:**request.setAttribute("query") .equals(“”)  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** PaginaLibroServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** PaginaLibroServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:** message("Non hai inserito nessuna parola!!")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** PaginaLibroServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |

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| **Nome Classe** |

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| RicercaServlet |
| Attributi |
| - |
| Metodi |
| +doGet(HttpServletRequest request, HttpServletResponse response) : void  +doPost(HttpServletRequest request, HttpServletResponse response) : void |
| Pre-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** PaginaLibroServlet:: do Get(request:HttpServletRequest,response:HttpServletResponse)  **pre:** request.setAttribute("query").equals(“”) == 0  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** PaginaLibroServlet:: do Post(request:HttpServletRequest,response:HttpServletResponse) |
| Post-condizione |
| doGet(HttpServletRequest request, HttpServletResponse  response):  **context** PaginaLibroServlet:: do  Get(request:HttpServletRequest,response:HttpServletResponse)  **post:** request.setAttribute("parolaCercata") &&request.setAttribute("books")  doPost(HttpServletRequest request, HttpServletResponse  response):  **context** PaginaLibroServlet:: do  Post(request:HttpServletRequest,response:HttpServletResponse) |