

Software Requirements Specification (SRS) Document

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Brief problem statement

Users require this platform for sharing their knowledge as well as increase their knowledge. We understand the requirement as we too have felt the need of such a platform at least once in our life. Here we have aspired to meet all such requirements of our users. We provide them the atmosphere to share their books, buy old hard copy books, provide them a guide expert to crack their aspired entrance exam, provide them timely news and let them write blogs of their own. So much of goodness packed as one. Cool, isn't it? Big Library makes you a more knowledgeable person.

System requirements

The software is written using the MVC framework WEB2PY and we need an android emulator to check the view for android version of the project we got using the APPGEYSER framework. It will run on any browser and is live on biglibrary.pythonanywhere.com .

Users profile

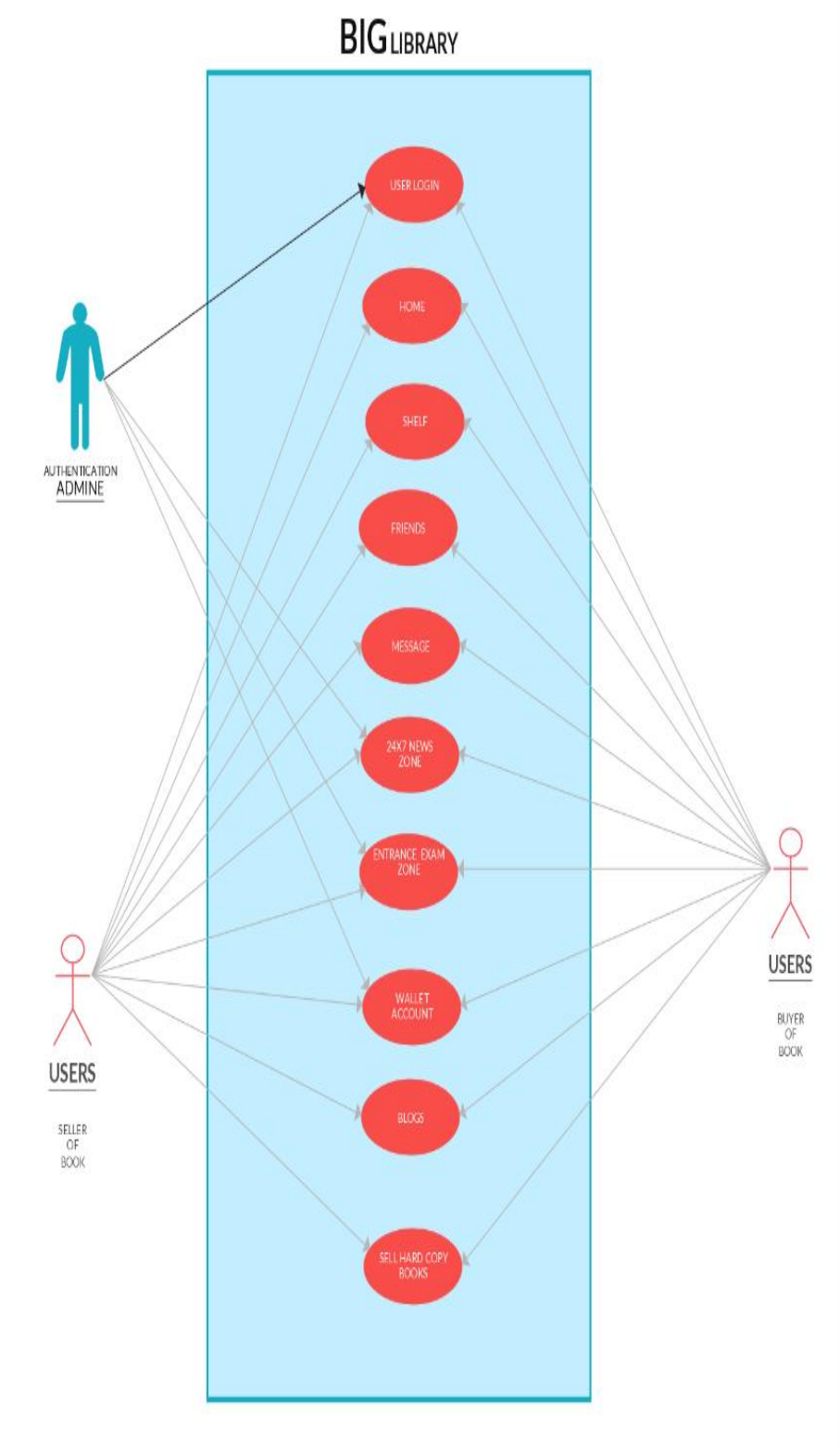
We intend to deliver this product to people of all age groups and profile as knowledge has no bound. Users require this platform for sharing their knowledge as well as increase their knowledge. We understand the requirement as we too have felt the need of such a platform at least once in our life. Here we have aspired to meet all such requirements of our users..

Feature requirements (described using use cases)

| No. | User Case Name | Description | Release |
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| 1. | USER LOGIN | When the user open Web App for the first time they must have to register themselves and once they get registered then they directly access the Web App with their registered login Id and Password. | |
| 2. | HOME | After login users will be able to see their Home page which contains all functionality of Web App like:- News update, History of uploaded and downloaded Books, Wallets etc. | |

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| 3. | Shelf | Users will also have a separate record of their functionality. | |
| 4. | Friends | Users can add the other users in to their friend list and chat and recommend books. | |
| 5. | Messages | User can also read and write message to their friend list and recommend books which will receive in receiver message area. | |
| 6. | 24X7 News Zone | Users can also get updated new which help them in preparing examination like IAS. | |
| 7. | Entrance Exam Zone | It will also guide the users to crack their aspired entrance examination by recommending them books and question banks which is recommended by experts. | |
| 8. | Wallet Account | Each user have a separate Wallet account which will increase by sharing the books. | |
| 9. | Blogs | Users can also write blogs if they are interested to share knowledge with the other users. | |
| 10. | Sell hard copy Book. | Buying and selling hard copy books | |

Use case diagram



Use case description

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| Use Case Number: | UC-01 |
| Use Case Name: | USER LOGIN |
| Overview: | When the user open Web App for the first time they must have to register themselves and once they get registered then they get a unique Id and Password, by using that id and password the user can access the Web App. |
| Actors: | Admin |
| Pre condition: | User must have either a mobile number or an email address to verify their authentication while signup for first time ,or the user must have their own unique Id and Password if they have registered themselves to the Web App. |
| Flow: | Main (success) Flow: 1) If authentication completed then user gets a unique login Id and Password and then able to access the web app. |
| | Alternate Flow: If users don't have unique Id and password then they are not able to access any functionality of the Web App. |
| Post Condition: | After getting a unique login ID and Password the user can access the Web App. |

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| Use Case Number: | UC-02 |
| Use Case Name: | HOME |

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| Overview: | After login users will be able to see their Home page which contains list of various book they can read. |
| Actors: | Users |
| Pre condition: | User must have been login with their unique login Id and password. |
| Flow: | <p>Main (success) Flow:</p> <ol style="list-style-type: none"> 1) If the user gets login then they can use some functionality like. 2) They can read the books which are available on the web app. |
| | <p>Alternate Flow:</p> <p>If users don't fulfil the above requirements they are not allowed to</p> <p>read the available books</p> |
| Post Condition: | At this stage user can able to read the available books. |

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| Use Case Number: | UC-03 |
| Use Case Name: | Shelf |
| Overview: | Users will also have a separate record of their activity on the web app like what categories of book they have, which book they have uploaded, list of book they have added to their shelf. |
| Actors: | Users |
| Pre condition: | User must have login with their unique Id and Password. |
| Flow: | <p>Main (success) Flow:</p> <ol style="list-style-type: none"> 1) They can upload books. 2) They can have a list of books which are available in their shelf. 3) They can download books. |

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| | <p>Alternate Flow:</p> <p>It include only the feature of last use case and the users are not able to complete the required task of current use case i.e they can't download or upload books</p> |
| Post Condition: | At this stage user can read the available books as well as they can upload or download any books to the web app. |

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| Use Case Number: | UC-04 |
| Use Case Name: | Friends |
| Overview: | Users can add the other users in to their friend list and chat and recommend books. |
| Actors: | Users |
| Pre condition: | User must have login with their unique Id and Password. |
| Flow: | <p>Main (success) Flow:</p> <ol style="list-style-type: none"> 1) User can make friends. 2) And they can share their books. 3) They can recommend their books with the user who are available in their friend list. |
| | <p>Alternate Flow:</p> <p>It include all the feature of last use case and the users are not able to complete the required task of current use case i.e they can't make any friend.</p> |
| Post Condition: | At this stage user can read , upload , download the books and they can also make some friends and they can share and recommend different books with each other. |

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| Use Case | UC-05 |
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| Number: | |
| Use Case Name: | Messages |
| Overview: | User can also read and write message to their friend list and recommend books which will receive in receiver message area. |
| Actors: | Users |
| Pre condition: | User must have login with their unique Id and Password. |
| Flow: | <p>Main (success) Flow:</p> <ol style="list-style-type: none"> 1) User can make friends and they can send message to each others. 2) And they can also recommend books by sending messages to their friends. |
| | <p>Alternate Flow:</p> <p>It include all the feature of last use case and the users are not able to complete the required task of current use case i.e they can't send any message to their friend.</p> |
| Post Condition: | At this stage user can read , upload , download the books and they can also make some friends and they can share and recommend different books with each other as well as they can send a text message to each other. |

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| Use Case Number: | UC-06 |
| Use Case Name: | 24X7 Time Zone |
| Overview: | Users can also get updated news which help them in preparing examination like IAS. |
| Actors: | Admin. |
| Pre condition: | User must have login with their unique Id and Password. |
| Flow: | Main (success) Flow: |

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| | 1) Users also can read the updated news which help them in preparing examination like IAS. |
| | <p>Alternate Flow:</p> <p>It include all the feature of last use case and the users are not able to complete the required task of current use case i.e they can't get any updated news.</p> |
| Post Condition: | At this stage user can read , upload , download the books and they can also make some friends and they can share and recommend different books with each other as well as they can send a text message to each other .And they can also get updated news which uses API from TIMES OF INDIA. |

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| Use Case Number: | UC-07 |
| Use Case Name: | Entrance Exam Zone |
| Overview: | It will also guide the users to crack their aspired entrance examination by recommending them books and question banks which is recommended by experts. |
| Actors: | Admin |
| Pre condition: | User must have login with their unique Id and Password. |
| Flow: | <p>Main (success) Flow:</p> <ol style="list-style-type: none"> 1) User also get recommended with different type of books which helps them in cracking the different competitive exams. 2) Users can also get books which are recommended by different experts for several entrance exam. |
| | <p>Alternate Flow:</p> <p>It include all the feature of last use case and the users are not able to complete the required task of current use case i.e they can't get any expert advice about any entrance examination.</p> |
| Post Condition: | At this stage user can read ,upload , download the books and they can also make some friends and they can share and recommend different books with each other as well as they can send a text message to each |

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| | other .And they can also get updated news which uses API from TIMES OF INDIA along with expert advice to crack different entrance exam. |
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| Use Case Number: | UC-08 |
| Use Case Name: | Wallet Account |
| Overview: | Each user have a separate Wallet account which will increase by sharing the books. |
| Actors: | Admin |
| Pre condition: | User must have login with their unique Id and Password. |
| Flow: | <p>Main (success) Flow:</p> <ol style="list-style-type: none"> 1) Users can also get some additional points when they share their books and that amount is directly added to their Wallet. 2) Wallet points gets incremented when the user share any book. |
| | <p>Alternate Flow:</p> <p>It include all the feature of last use case and the users are not able to complete the required task of current use case i.e they can't get any points for their wallet when they share any books.</p> |
| Post Condition: | At this stage user can read, upload , download the books and they can also make some friends and they can share and recommend different books with each other as well as they can send a text message to each other. And they can also get updated news which uses API from TIMES OF INDIA along with expert advice to crack different entrance exam. And also get some points on sharing any books which will directly added to their Wallet. |

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| Use Case Number: | UC-09 |
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| Use Case Name: | Blogs |
| Overview: | Users can also write blogs if they are interested to share knowledge with the other users. |
| Actors: | Users |
| Pre condition: | User must have login with their unique Id and Password. |
| Flow: | Main (success) Flow: 1) User can also share their knowledge and give some advice to other user by writing Blogs. |
| | Alternate Flow: It include all the feature of last use case and the users are not able to complete the required task of current use case i.e they can't write any blogs. |
| Post Condition: | At this stage user can read, upload , download the books and they can also make some friends and they can share and recommend different books with each other as well as they can send a text message to each other. And they can also get updated news which uses API from TIMES OF INDIA along with expert advice to crack different entrance exam. And also get some points on sharing any books which will directly added to their Wallet and also they can share their knowledge by writing Blogs. |

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| Use Case Number: | UC-10 |
| Use Case Name: | Sell hard copy Books |
| Overview: | Buying and selling hard copy books |
| Actors: | Users |
| Pre condition: | User must have login with their unique Id and Password. |
| Flow: | Main (success) Flow: 1) If user (Seller) want to sell their hard copy of book they can upload the details of that book with the amount at which the |

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| | <p>user (Seller) wants to sell their book.</p> <p>2) Other user(Buyer) of that web app can contact him and can buy the book.</p> |
| | <p>Alternate Flow:</p> <p>It include all the feature of last use case and the users are not able to complete the required task of current use case i.e the user can't sell their book by using this web app.</p> |
| Post Condition: | <p>At this stage user can read, upload , download the books and they can also make some friends and they can share and recommend different books with each other as well as they can send a text message to each other. And they can also get updated news which uses API from TIMES OF INDIA along with expert advice to crack different entrance exam. And also get some points on sharing any books which will directly added to their Wallet and also they can share their knowledge by writing Blogs .And they can also sell their hard copy of book with other user who are intended to buy that book.</p> |