Med and to LAB 3 - > SPS Downer 40n Library Hanagement System ECO LOGICO DOS DE LA DELA COMO POR LOGICA LOGICA Introduction shops be one manner parton morbon serviced in abjustic units contene sign Purpose of this Down ent The purpose of this downent is to define the requirements and specifications for the dwelopment of Library Management system. It aims to proude danty on the system Objectives scope and deliverables to ensure efficient management 6+ lubrary resources Supe parties bas actions This document outlines the functionalities of the Library Management 39stems including book cataloging, member management air culation and reporting. It also specifies the development cost and estimated timeline. 91008 10 1009 - 209 Overview The 45 rangement system 1892 software solution designed to automate library operations, such as Lugk issuance, returns, catally management, and fine calculation.

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|           | me system will support librarions.   |
|           | members and administrators by oftening   |
|           | function auties like it book search, user  |
|           | registration, transaction management   |
|           | and reporting.   |
|           | & applications   |
| 3.        | Functional Requirements  |
|           | Estotion anti- C.A   |
| 3.1       | Catalog Managementhia  |
|           | Haintain a digital catalog of books and  |
|           | resources Alin mondant and and   |
| -         | Support search and Piltering by author,  |
|           | title, subject or ISBN.  |
|           | Standard Requirements  |
| 3.2       | Member Management!   |
|           |  |
|           | Pegister and management library  |
|           |  |
| o ki (iii | Register and management library  |
| o ki (iii | Register and management library members with personal details.   |
| o ki (iii | Register and management library members with personal details. Track borrowing history and membership  |
|           | Peglster and management library  members with personal details:  Track bonowing history and membership  validaty.  Circulation Hanagement and Osters   |
| 3:3       | Pegister and management library  members with personal details.  Track borrowing history and membership  validaty.  Circulation Management and Membership  Allow issuing and returning of books.   |
| 3.3       | Pegister and management library  members with personal details.  Track bonowing history and membership  validaty.  Circulation Hanagement and acted  Allow issuing and returning of books.  Cardiate overdue fines and send  |
| 3.3       | Pegister and management library  members with personal details.  Track bonowing history and membership  validaty.  Circulation Hanagement and library  Allow issuing and returning of books.  Calculated overdue fines and send the reminders and send the reminders.  |
| 3.3       | Pegister and management library  members with personal details.  Track bonowing history and membership  validaty.  Circulation Hanagement and acted  Allow issuing and returning of books.  Cardiate overdue fines and send  |
| 3.4       | Pegister and management library  members with personal details.  Track bonowing history and membership  validaty.  Circulation Hanagement and library  Allow issuing and remning of books.  Carallate overdue fines and send!  reminders and send!  Peporting!   |
| 3.4       | Pegister and management library  members with personal details.  Track bonowing history and membership  validaty.  Circulation Hanagement and membership  Allow Issuing and remning of books.  Carallate overdue fines and send!  reminders  Peporting!  Chenerate reports on issued books, overdue  |
| 3.4       | Pegister and management library  members with personal details.  Track bonowing history and membership  validaty.  Circulation Hanagement and membership  Allow Issuing and remning of books.  Carallate overdue fines and send!  reminders  Peporting!  Chenerate reports on issued books, overdue  |
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MAN SHEET Interface requirements Englished the the surgery of 4. 4-11 ber Interfaceilano bas andamon 31mple and infultive design for librariens and members and members Accessible va web and desktop applications. Edmanning bandon banks Integration interfaces: 4.2 Integration with barcode scanners Por quick book transactions option to integrate with enternal databases for erresources. MBEI TO FORDICUE SITT Pertomagne requirements HENDERDADH S'S system response time under 2 seconds Support up to 300 concurrent users Maintain data in tegrity across all operations. Design conscions constitution Blood to pumper bord kninger and 14 Must run on standerd library hardware Computers, boxwae scanners printers) use relational databases leg. Mysor/ Postque sous FELS WYTHOR Stood trapers on teams of advanced 3467360 MONDS STAD INVOLUTION STONAL



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| 7 | Non Eunctional Attributes   |
|   | Security: Authentication for staff and members  |
|   | Pelicbility's Ensure availability during  |
|   | Scalability : Expandable to multiple branches   |
|   | usability: Easy navigation and search   |
| 8 | Preliminary Schedule and Budger   |
|   |   |
|   | The acudopment is estimated to take 4 months with a budget of \$60,000 including planning , woding, testing and deal months |
|   | 4 months with a budget of \$60,000  |
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