2) Library Management Lyskem Khololem Slatement 1 With the coorld now moving bowards digutalization of energ posseble bash, it is mendable that libraries Alop Sulyry on physicalstaff for operation. Library management should allow used to berrow, lehren looks and variety Mulibrary user bashs. Inko duchon Perpose: Operale & a library efficiently using automation streamlining basks investigates in hunning a libeary such as calalogues issues managing numbership delails, placing fines for delayed lethous Scope: To specify the functional, lubranicalial and non forchonal requirements of the software application that automakes and skreanlines various fashis Envolved in running a library. Overnew: A library management typhom is Lubralians to so software application that helps .corginus manage the lubrary spheron such an diblaly cabalogus, alcularly and reporting on makerial

General Description: I library management system is a softwale application that helps to manage the debeary ofeeders Luch on aquily catalogung alculating and lepoltry on labrary materials. Functional Requirements: - System should allow the lebeation to add edit collike and man the obtails of books, member and loans . System should generale Superlison the inventory circulation, and financial Mansachons of the library - Usus should be allowed to bolson, hence and received seems login credentials and balcode seems - system should be such track of due dakes of Norths usued and actual membership periord inluface Regus coments: Usu Inverfaceist - surple, inhuhue, hesponeine and consistent - Inkerface should Support obfferent layers and olemes as meded -> UE should display availability and locating books in the dibrary

Platolwak Enhefaces; - The system should be compositely with multiple of & OS. - System should be rebable when communically with bardwall slewces > The system should use OR todes to scan borns and calds, and facilitate pagments. Softwell Enleyforesis - A working Of -> Front-end frameworks like React/View -> ROBMS & -> Containell and otchesteation services like kulvinikis. l'erformance Regerements: - The number of pages should be minimized for users communica - doldry members, beerlowing and lineway broks should du guick. - Their should be a placedure for when there is loved date due to feeder of shorest derive

Disifor Constraints. - The information of all users, books and libratus must be stoled in a clababase that is Accessible dus the website > Uses must have their correct usernames and passwords to enkel into their online accounts and do achiens. Non Frenchismond Athleburkes Usability: The US should be simple to understand and easy bouse and get belevent wints without any special training. Decenracy: The data stoled about the books and the fine calculated should be collect, Consishent and relieble Availability > The system should be ovarilable for the duration when the labelly speciales and must be surred within an house lus if d fails. Scalabality: The system should be ath ho handle inclearing number of uses and In his wilhout deglady the performen or functionality