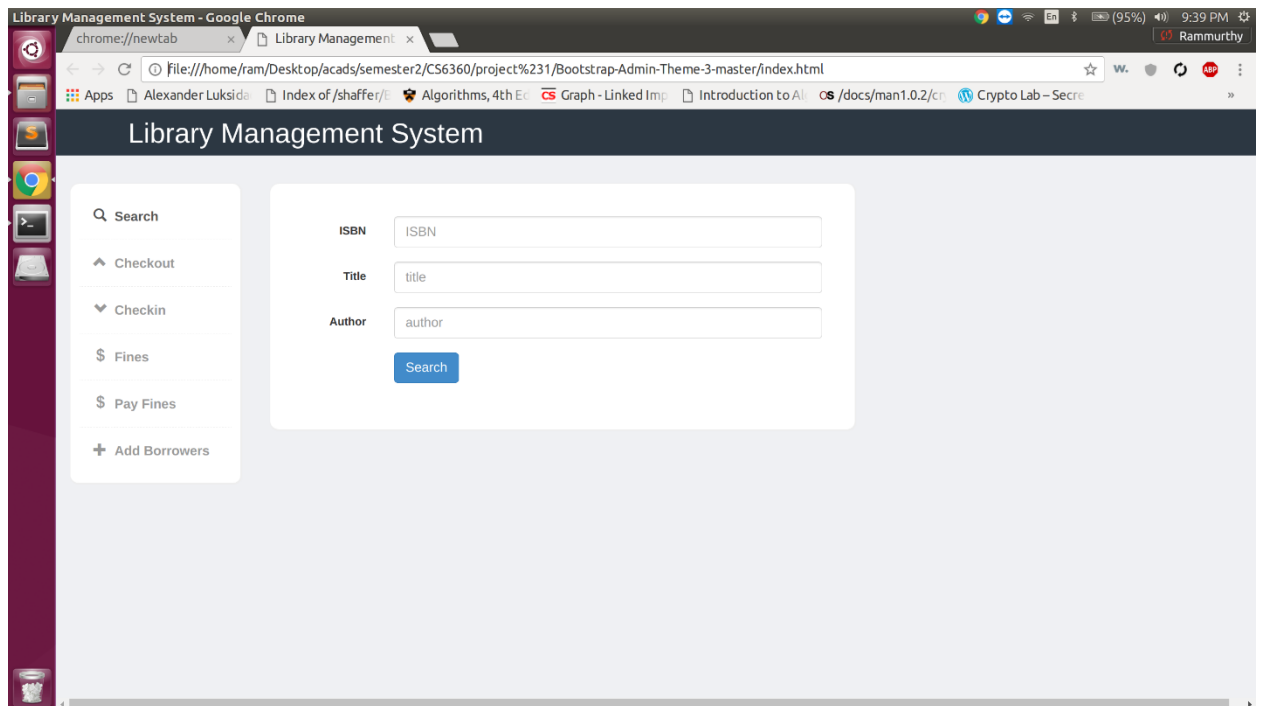# User Guide for Library Management System

Introduction:

The given requirements in the project description are implemented as web services and web gui is provided for the librarian to easily maintain the system. How to use is mentioned below with screenshots.

1. Search: The search functionality takes isbn or title and/or author as input and provides appropriate search results in the same screen.

2. Checkin/Checkout: Checkin and checkout takes isbn and borrower card no as input and performs appropriate action. Error messages will be shown if a user already borrowed three books or book is not available for checkout etc.
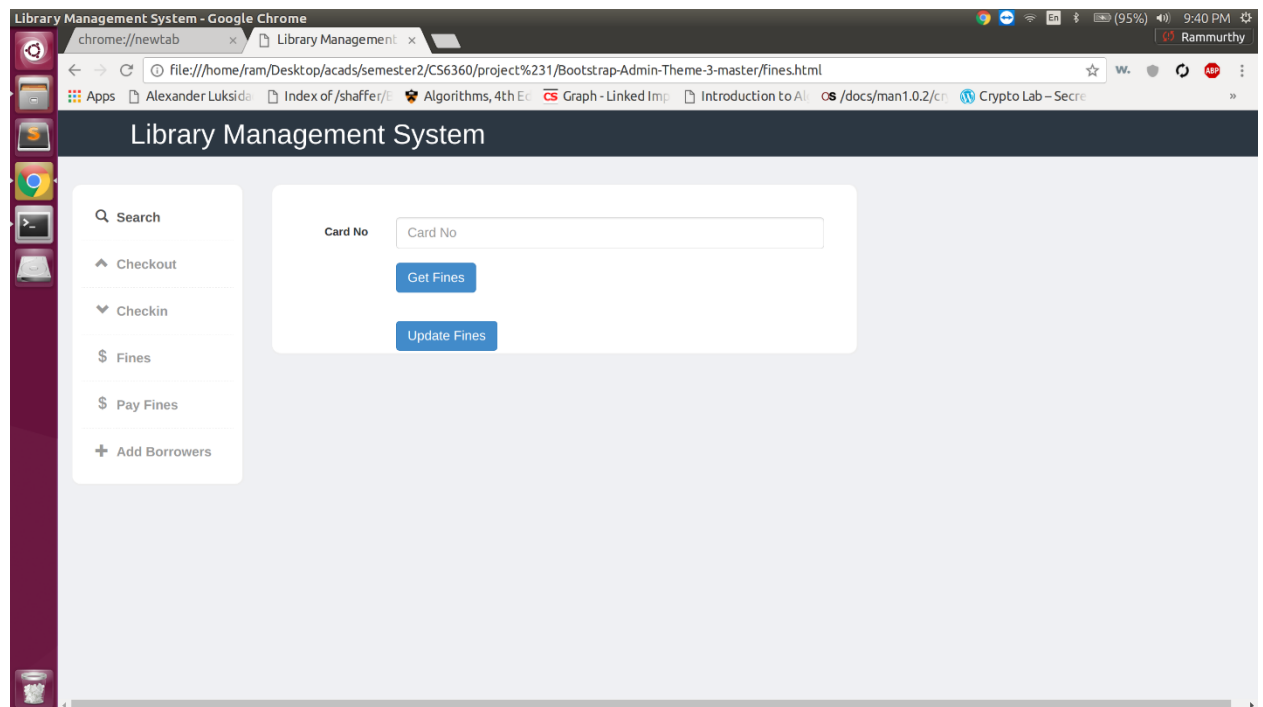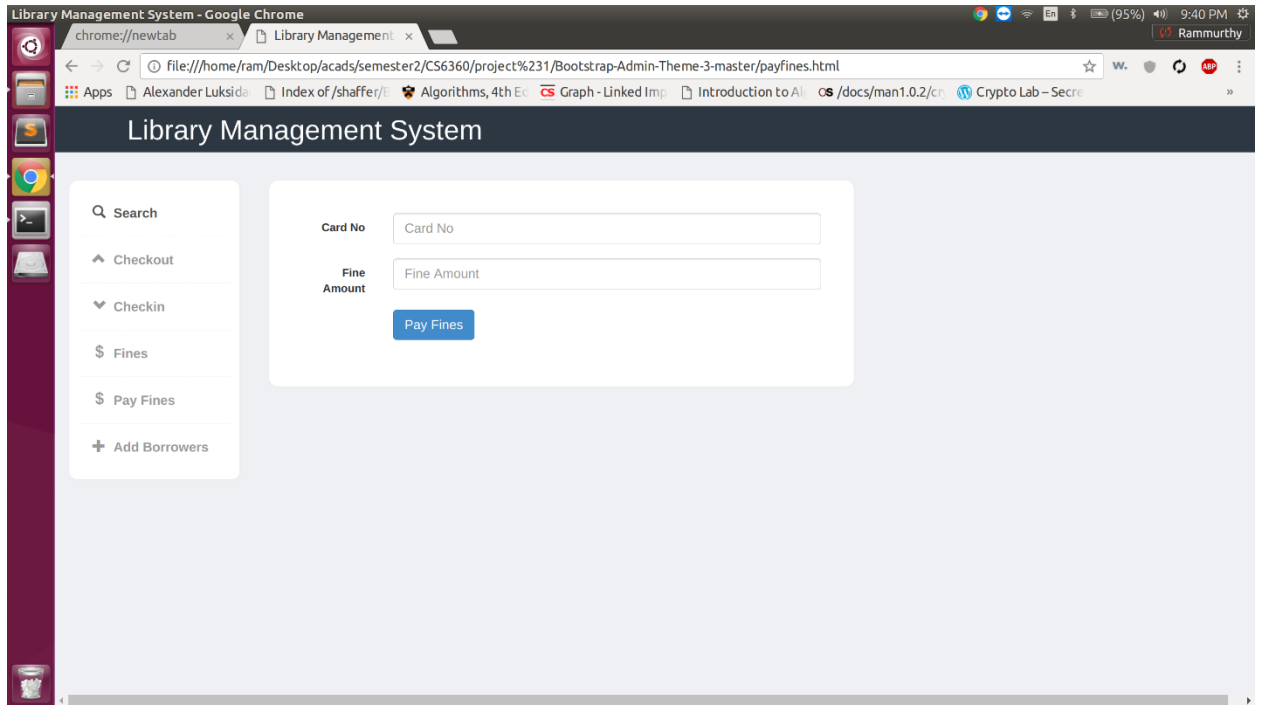
3. Fines: Librarian can get the outstanding fines of a borrower by giving borrower id (card no). In real world scenario, daily fines will be updated as a cron job/background job but for the simplicity and ease of use, I have provided an Update fines button to update the fines of all the entries In the fines table. It also looks for new book loans which are past due date and inserts new row into fines table.
Payment of fines takes borrower card no and fine amount to marks the fine to be paid.

4. Add Borrower: Adding a new borrower is never been easier before. Plugin the data in appropriate fields and click submit. Voila, new borrower is added.