# CineHub

## Introduction

### Aim of the document

### Overview of the defined system

Il sistema CineHub permette di gestire in pieno una catena di cinema, dando la possibilità agli utenti del sistema (amministratori, macchinisti, proiezionisti e ospiti) di svolgere molteplici funzionalità, tra cui: acquisto di un biglietto, gestione dei turni di lavoro, visualizzazione dei turni, e molto altro ancora…

### Operational settings

Il sistema funziona su tutti i pricnipali sistemi operativi, è stato testato su Windows 10, Mac IOS

### Related system (at laeast 2)), Pros and cons

Il nostro sistema è molto originale, poiche permette di combinare un sistema gestionale utilizzato per la gestione dei turni dei dipendenti, con un sistema di di acquisto di diversi ticket in diversi cinema.

Tutto in una sola app.

## Software Requirement Speci cations for Netbooks

A. Calomino (M. 0258841)

C. Cu aro (M.0258093)

S. Tiberi (M. 0252795)

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Chapter 1

Introduction

# Aim of the document

The purpose of the document is to present Netbooks application providing an overview of its features and some pros and cons of its use compared to the use of similar existing software. The application deployment methods are also presented.

# Overview of the de ned system

Netbooks is an application that allows users to create a book-community.

It suggests users books according to both their preferences entered at registra- tion and ratings and reviews left. Each registered user can buy (or simply free download, if it is possible) digital and/or physical books choosing the favourite retailer from a list. With Netbooks you can:

* + - exchange books between members;
    - nd the nearest book-stores starting from your current position;
    - interact with other members using dedicated forums.

Netbooks provides to retailers a reserved area where they can analyse users preferences. They can also retrive there informations about purchases made near their store.

# Operational settings

The standalone version of Netbooks was performed and tested on machines con-

gured as follows:

Netbooks ISPW Project (A.Y. 2019/20)

1. Windows 10 Pro [64 bit]
   * CPU: Intel*Ⓧ*R
   * RAM: 16GB

CoreTM

i5-5300U @ 2,30GHz

1. Windows 10 Home [64 bit]
   * CPU: Intel*Ⓧ*R
   * RAM: 4GB

Pentium*Ⓧ*R

3825U @1.90GHz

3.Ubuntu 18.04.4 LTS (Kernel 5.3.0.40) [64 bit]

* + CPU: Intel*Ⓧ*R
  + RAM: 4GB

Pentium*Ⓧ*R

B950 @ 2.10GHz

The web version of Netbooks was performed and tested on: 1.Google Chrome v. 79.0.3945.130 | 80.0.3987.116

2.Mozilla Firefox v. 73.0.1

Both standalone and web version requires Java 8 JRE installed on machine to run properly.

# Related system

Netbooks ' main competitor is [Goodreads](https://www.goodreads.com/).

Like the latter Netbooks shows to users a selection of possible books based on both purchases made and the preferences expressed through interactions with other members of the community.

Netbooks and Goodreads also provides users di erent purchase methods o ered by third-party services. The pros of Netbooks are:

* + - The ability to exchange in-app books between registered members

A dedicated area for retailers where they can keep track of the best-selling books in the areas adjacent to their stores

*•*

The cons of Netbooks is that it is less integrated with existing services. For example with Goodreads you can login with Amazon and automatically sync your preferences.

Other competitors for Netbooks are e-commerce company (e.g. [Amazon](https://www.amazon.it/), [IBS](https://www.ibs.it/), [Mondadori](https://www.mondadoristore.it/)).

In this case the main pro of our system is that it provides di erent options to get new books. The main disadvantage is that our system does not have its own payment system. In fact, users can buy book using several links to external services.

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Chapter 2

User Stories

Alessandro Calomino

1. As reader, I want to add books to a wishlist, so that I can buy them later.
2. As a reader, I want to read reviews, so that I can choose which books to buy.
3. As a retailer, I want to consult sales charts, so that I can know the sales trend.

Cristiano Cu aro

1. As a reader, I want to view themed books during festivity, so that I can feel the festive atmosphere.
2. As a reader, I want to exchange my books, so that I can get new ones.
3. As a reader, I want to leave reviews on books, so that my opinions are public.

Simone Tiberi

1. As a retailer, I want to sponsor my shop, so that I can get new customers.
2. As a reader, I want to nd the nearest physical book-stores, so that I can buy books there.
3. As a retailer, I want to see which are the best sellers books, so that I can get them for my store.

Chapter 3

Functional Requirements

Alessandro Calomino

1.The system shall provide a reserved area for retailers. 2.The system shall provide thumbnails of books.

3.The system shall provide the average Google users ratings for each book.

Cristiano Cu aro

1. The system shall provide a \*rating system.
2. The system shall provide an area dedicated to the exchange of books among users.
3. The system shall show title, author and owner of exchangeable books.

Simone Tiberi

1.The system shall provide a speci c forum for each book genre. 2.The system shall provide three di erent links to buy a book.

3.The system shall provide a list of owned books.

Chapter 4

Dictionary

* + - Rating system: 0 to 5 stars that can be totally or half lled;
    - srcUsr: the user who makes the proposal;
    - destUsr: the user who receives the proposal;

destBook: the book of destUsr that srcUsr has chosen for make the initial proposal;

*•*

srcBook: the book of srcUsr that destUsr has chosen for make the inter- mediate proposal;

*•*

* + - initial proposal: the proposal that srcUsr makes to destUser;

intermediate proposal: the proposal that destUsr makes to srcUsr if destUsr receives an initial proposal from srcUsr for a book and choose a book from srcUsr in return.

*•*