**Klassediagrammen Project opdracht (deel 1+2+3)**

* Klassediagram “**BOOK**”

**C** Book

Public Title: string   
Public Author: string  
Public ReleaseDate: DateTime  
Public genres: List< Genre >  
private Genres: List< Genre >  
Public numberISBN: string   
private NumberISBN: string   
Public isAvailable: bool   
private IsAvailable: bool  
Public borrowingDate: DateTime  
private BorrowingDate: DateTime  
Public borrowDays: int  
private borrowDays: int

public Book (string title, string author, DateTime releaseDate, string numberISBN, List<Genre> genres, bool isAvailable)

🟢 Borrow () : void  
🟢 Return () : void  
🟢 ReadCsvFile() : void  
🟢 ControleNumberISBN() : bool

* Klassediagram “**Library**”

**C** Library

Public allBooks : List<Books>  
private AllBooks : List<Books>

public Library(List<Book> books)

🟢 SearchBookByTitle(string title) : Book  
🟢 SearchBookByAuthor(string author) : Book  
🟢 SearchBookByNumberISBN(string numberISBN) : Book  
🟢 GetAllBorrowedBook () : void   
🟢 GetAllAvailableBook () : void  
🟢 GetAllBorrowedBook () : void  
🟢 GetAllBook () : void  
🟢 DeleteBook () : void  
🟢 ChangeBookInfo () : void   
🟢 ReturnStrInBox () : void  
🟢 AddNewspaper () : void  
🟢 AddMagazine () : void  
🟢 ShowAllMagazines () : void  
🟢 ShowAllNewspapers (): void  
🟢 AcquisitionsReadingRoomToday (): void  
🟢 AddBook (): void  
🟢 GetBookInfo (): void  
🟢 SearchBookBy (): void  
🟢 BorrowBook (): void   
🟢 ReternBook (): void

* Klassediagram “**ReadingRoom**”

**A** ReadingRoom

Public title: String   
private Title: String  
Public publisher: String   
private publisher: String  
Public Identification: String (abstract)  
Public Categorie: String (abstract)

public ReadingRoom(string title, string publisher)

* Klassediagram “**NewsPaper**”

**C** NewsPaper

Public date: DateTime  
private Date: DateTime  
Public publisher: String  
private Publisher: String  
Public Identification: String (override)  
Public Categorie: String (override)

public NewsPaper (string title, string publisher, DateTime date) : base(title, publisher)

* Klassediagram “**Magazine**”

**C** Magazine

Public month: byte  
private Month: byte  
Public year: byte  
private Year: byte  
Public Identification: String (override)   
Public Categorie: String (override)

public Magazine (string title, string publisher, uint year, byte month) : base(title, publisher)