



Ahmedabad  
University

**Ahmedabad University**

**School of Engineering and Applied Science**

**Winter 2021 Semester**

# **Human Computer Interaction(HCI)**

## **Project Report-4**

**Movie Ticket Booking System**

**Guided By:**

Prof.Anurag Lakhlani

**Team Name:**

**Hypertext Assassins**

**Team Members:**

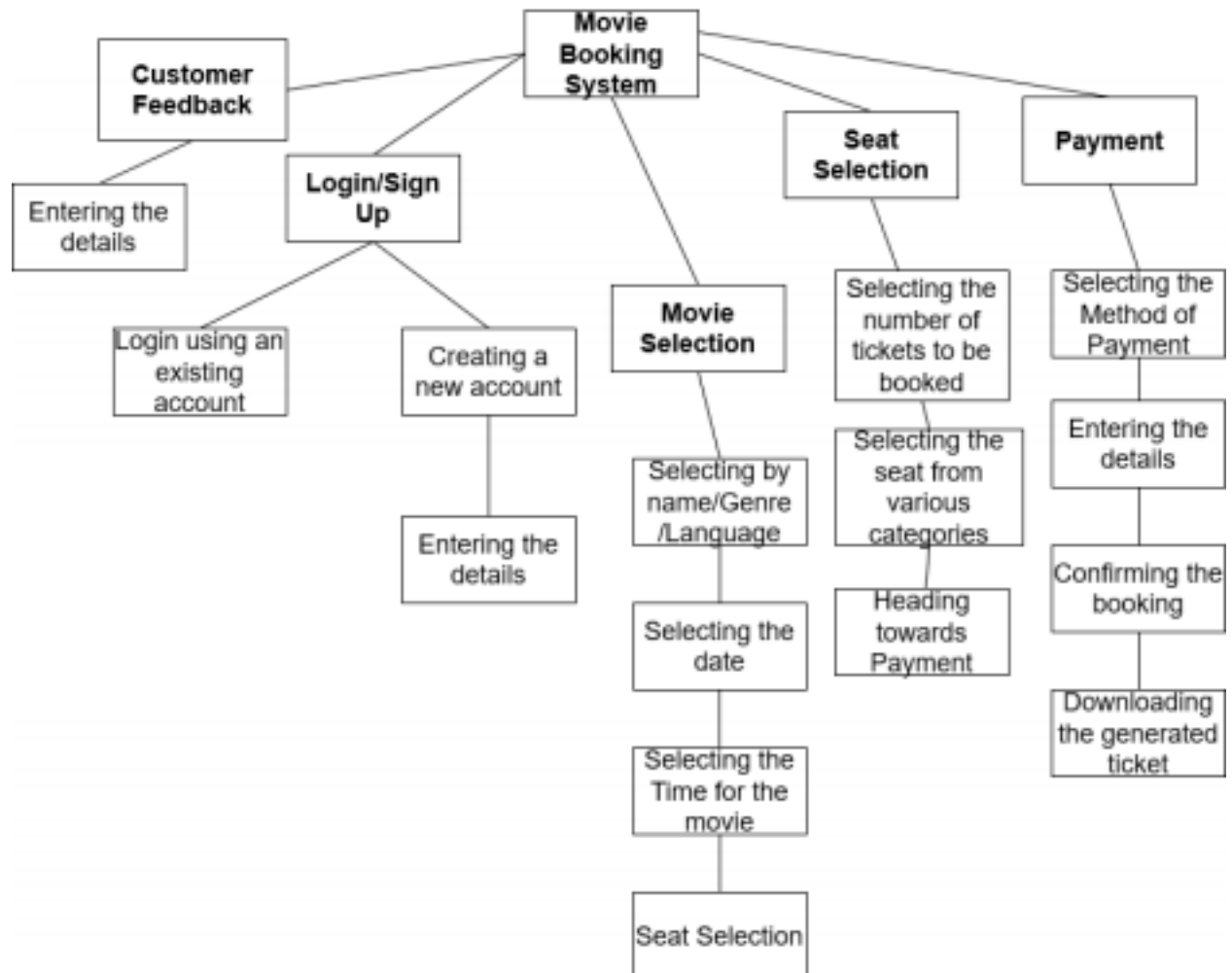
Yugamsinh Chavda(AU1841090)

Harsh Mange (AU1841130)

Kishan Patel (AU1841132)

Sharvil Patel (AU1841134)

# Hierarchical Task Analysis



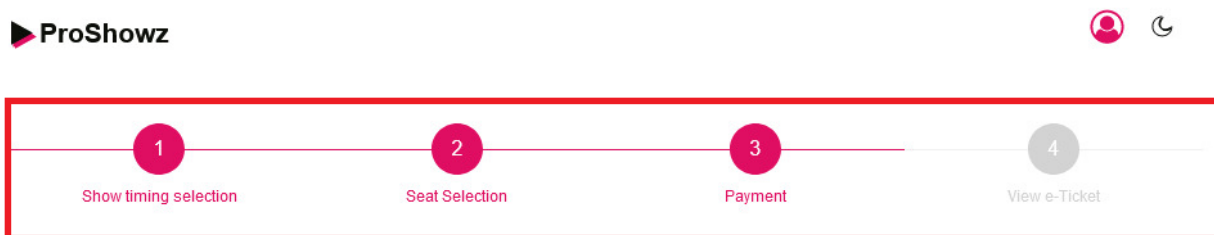
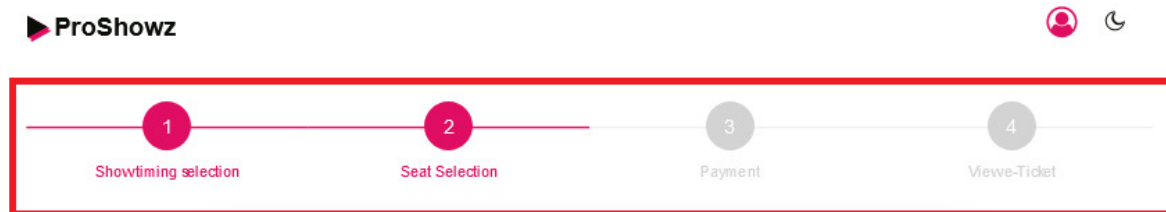
# Feature-1

## Ticket Booking Page – Design Dialogs to Yield Closure

Created by: Harsh Mange

**Functionality:** This feature is used to provide information to the user regarding what actions have been performed or what steps have been accomplished for performing a certain task and what tasks are yet to be performed.

**Photo of Implementation:**



**Description of Principle:** Design Dialogs to Yield closure

This principle aims at arranging the sequence of actions in groups starting with beginning, middle and the end. The example is of an ecommerce website where the user moves from selecting a

product to checkout, ending with a clear confirmation page that completes the transaction.

**Description of the implementation in our feature:** As you can see a progress bar on the top of the page which shows the list of steps that needs to be performed to achieve the desired output starting from the first step to the end step. With the completion of each of the tasks, the circle gets highlighted which informs the user that which tasks are still left to be performed.

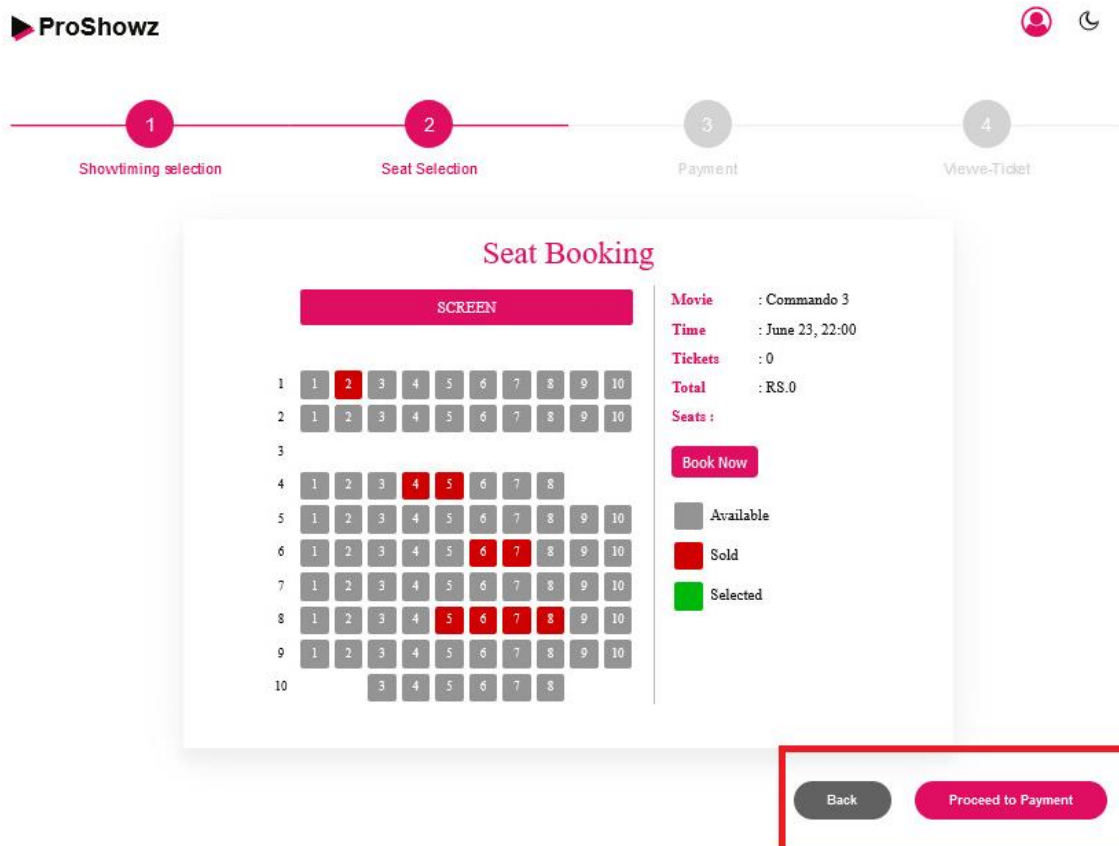
## Feature-2

### Booking Page permits easy reversal of actions

Created by: Kishan Patel

**Functionality:** This feature provides the user to move back to the previous steps when performing a particular task which relieves the user from performing the whole action from beginning if any error occurs.

#### Photo of Implementation:



**Description of Principle:** Permits easy reversal of actions the principle aims at providing reversibility for all actions. As much as possible all the actions should be reversible. This principle relieves anxiety in the user and makes the user comfortable as the user knows that my action can be reverted back.

**Description of the implementation in our feature:** The principle aims at providing the user with the flexibility of moving back to a certain step in a process at any point of time. Here in our example the user can move back from the seat selection to the time selection step if he wants to change the timing for the movie by pressing the previous button at the end of the page.

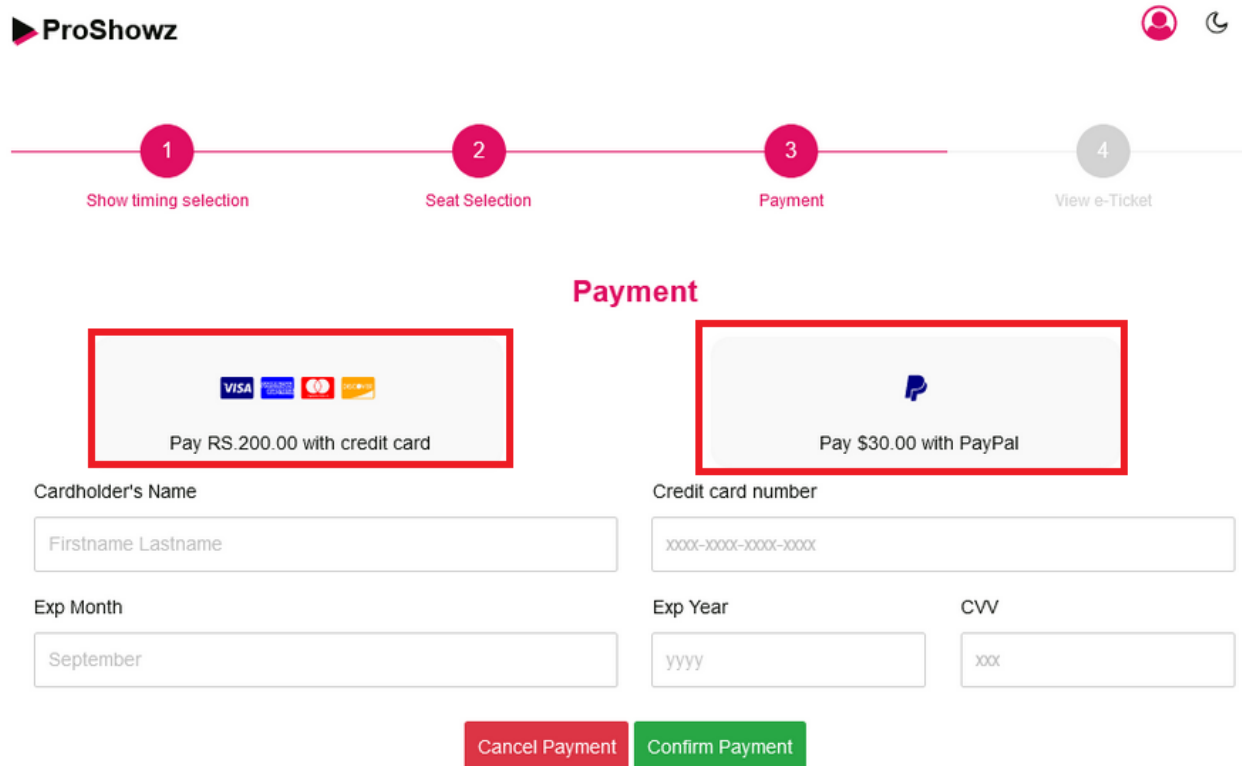
## Feature-3

### Payment Page - Cultural and International diversity

Created By: Sharvil Patel

**Functionality:** This feature is used to provide the users with a various list of paying methods while performing online transactions and the user selects from the list as per his convenience.

#### Photo of Implementation



**ProShowz**

1 Show timing selection 2 Seat Selection 3 Payment 4 View e-Ticket

**Payment**

Pay RS.200.00 with credit card

Pay \$30.00 with PayPal

Cardholder's Name  
Firstname Lastname

Exp Month  
September

Exp Year  
yyyy

CVV  
xxx

Credit card number  
xxxx-xxxx-xxxx-xxxx

Cancel Payment Confirm Payment

**Description of Principle:**

- Cultural and International Diversity
- Date and Time formats
- Numeric and Currency formats
- Left to right vs Right to left reading
- Weight and Measures
- Icons, buttons, and colors
- Etiquette, formalities, metaphors

**Description of the implementation in our feature:** The principle is implemented in a way that the user is provided with a number of options for the payment. Here in the pay with card option, the amount for the tickets is shown in one currency format, and with the PayPal option the amount is shown in dollars.

**Interaction Style:** The interaction style would be menu selection where the user reads from a list of payment options, selects an appropriate option as per his convenience, and observes the effect of that action. It has a clear structure for the decision making as all possible choices are present at one time



## Feature-4

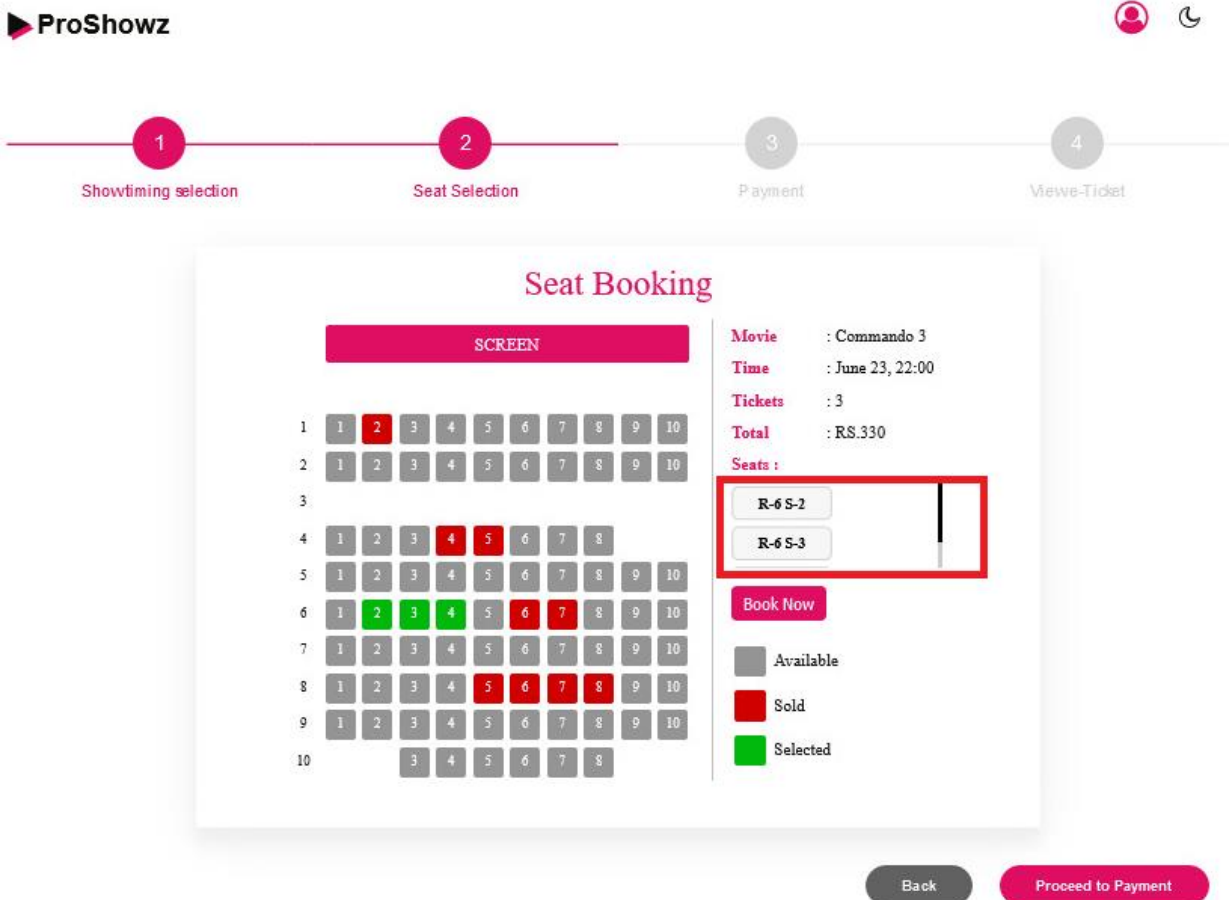
### Booking Page - Offer Informative

### Feedback

Created By: Yugamsinh Chavda

**Functionality:** This feature is used for selecting the seats for a movie in a theatre from a list of available seats and categories of seats

**Photo of Implementation:**



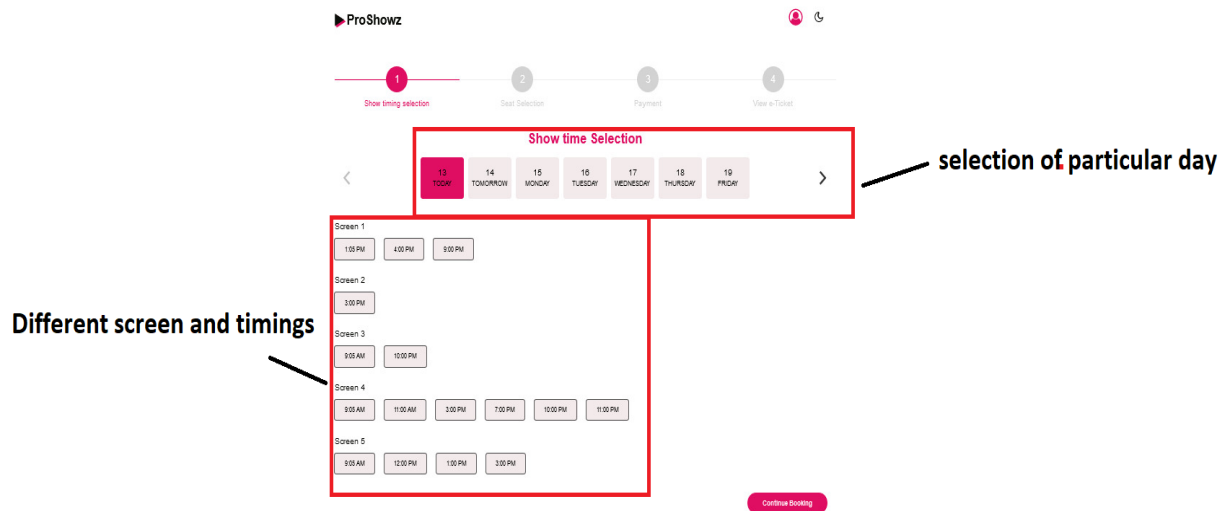
**Description of Principle: Offer Informative Feedback** The principle is described as for every user action there should be a system feedback. The system sends back the information to the user that what actions have been performed and what has been accomplished. This allows the user to continue with his activities

**Description of the implementation in our feature:** The principle is implemented in a way that when the user selects a particular seat , the color of the seat changes which shows that the seat has been selected and the seat number appears in the box and the amount for the seat also appears. In this way the user is provided with information after selecting a seat.

**Description of Interaction Style:** The interaction style is menu selection as the user selects from a list of available seats as per his convenience. It has a clear structure for the decision making as all the possible choices are present at one time.

# Integration of all Features

Screenshot of the Integration: -





### Seat Booking

SCREEN

1	1	2	3	4	5	6	7	8	9	10
2	1	2	3	4	5	6	7	8	9	10
3										
4	1	2	3	4	5	6	7	8		
5	1	2	3	4	5	6	7	8	9	10
6	1	2	3	4	5	6	7	8	9	10
7	1	2	3	4	5	6	7	8	9	10
8	1	2	3	4	5	6	7	8	9	10
9	1	2	3	4	5	6	7	8	9	10
10			3	4	5	6	7	8		

Movie : Commando 3  
Time : June 23, 22:00  
Tickets : 3  
Total : RS.330  
Seats :

R-6 S-2  
R-6 S-3

Book Now

☐ Available  
☒ Sold  
☒ Selected

[Back](#) [Proceed to Payment](#)

- The above screenshot is the representation of our website when all the features are integrated from users' point of view.
- After viewing the movie page, the user will click the book button so he/she will be redirected to the show timing selection page.
- In the show timing selection page, there will be different days displayed so that the user can book the movie on the day of his choice.

- And also timing of the shows will be there in this page, so that he can view the show timings
- After selecting show timing and show date seat booking page will be displayed, so he can select the seat number of his choice, where the red color seat states that it is occupied, grey color seats will be available seats and green color seats will be the seats which he selected right now.
- So that on the right panel his selected seats will be shown and the final price will be displayed.
- Now the user will proceed to the payment page, where the payment options will be available in both dollars and Indian rupees. So that user can pay as per his convenience.
- Upon completing payment details, the system will display the ticket of his movie.

## Comparison of the tools used

	Packages	Editing and Workflow	Customization	Performance
VS Code	It has a nice plugin ecosystem with built in extension management which provides several plugins	It is much faster without any real lags. It also has a debugging feature	Features such as necessary wrapping, indenting, and theming are available. It is similar to that of Sublime Text and Atom	Operations such as opening or changing files, searching is fast without any lags as it built on Node.js, Electron, Html and CSS
Sublime Text	Basic Package like the Sublime Package Control Plugin in not added by default	Easy and fast search for files or across the files	Aspects such as Save on lost focus, trim whitespace etc. are available	Operations such as opening, closing the editor or searching is smooth and fast
Atom	It has a package manager installed by default and all the packages are hosted on the GitHub	It works smoothly but you need to figure out which additional packages needs to be installed when starting from the beginning	It has an ability to customize your editor to match your development flow and style	It is slow when opening a file or switching between the tabs and it has a lot of lag

## Tool Description

### VS Code:

- **Packages:** The Visual Studio Code has a nice plugin(extension) ecosystem with a built-in extension management which contains several thousand extensions. The user can select the plugins which are best for the work from a list of available extensions.
- **Editing and Workflow:** It is much faster as compared to other editors as it has no lags because it is built using Node, Electron and HTML/CSS. It feels similar to the Sublime Text and the Atom in usage. The Git Integration is also very much convenient.
- **Customization:** As compared to the features provided by Sublime text and Atom, it has all the expected customization features such as necessary wrapping, indenting, theming, language tweaks etc.
- **Performance:** As the Visual studio code is built on the Nodejs, Electron, Html and CSS it is faster as compared to the other text editor. The operations such as opening a file or searching a particular phase are very fast and no lag is experienced during their execution. At last, it provides with a par

performance as compared to the Sublime text and to an extent to the Atom.