**Achievement Standard 3.7 - Kiwi Kars**

Use the following table to plan the different elements of your program that shows the input type, its ID and any other attributes you will use (e.g. min max), and how will you validate input and give feedback to the user.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Inputs / Variables / Lists** | | | | |
| **Type** | **ID** | **Attributes** | **Validation** | **Feedback to users** |
| Text Input | NameInput | Pattern, placeholder,  Onchange  Autocomplete | Validate using pattern | Friendly error message if incorrect input |
| Tel input | PhoneInput |
| Email input | EmailInput |
| Driver’s license number | LicenseInput |
| Number | AgeInput | Placeholder,  Onchange  Min,  max | Must be over 25 | Does not let the user proceed if they are under 25 |
| Date input | PickUpDateInput | Onchange,  Minimum | Validated that pickup date is after current day | Does not let the user proceed without a valid date |
| Date input | ReturnDateInput |
| Select | RentalDays | Selected,  Onchange | Only lets the user select from a certain range | Shown in booking summary |
| Checkbox  (list) | extrasChosen | Onchange | User can only select given extras | Shown in booking summary |
| Textarea | AdditionalComments | Onfocusout,  placeholder | None | Shown in booking summary |
| Checkbox | TermsCheckbox | Onchange | User must tick the box to submit form | Tells the user they must check the box |

Use the following table to plan what user input and event will call the function or what other function will call that function and a written description (in pseudo-code English) of what the function should do. Remember to include functions that will validate input and display output to the user.

|  |  |  |
| --- | --- | --- |
| **Functions** | | |
| **Function name** | **How it is called** | **Description** |
| validateInputs | Called when the user presses the submit button | Returns true if all inputs are valid |
| submitInfo | After all inputs have been validated and the user has pressed submit button | Pushes the data to firebase and displays the confirmed overlay |
| updateDate | Event listener on change for PickUpDateInput, ReturnInput, RentalDays | Generates new dates depending on what has changed |
| calculateExtrasCost | Event listener on each input | Calculates the total cost of the extras and returns the value |
| updateBooking | Every time a user steps forward/backward in the step by step form | Updates the booking summary informaton |
| generateTicket | Called when a ticket needs to be made for the users booking | Generates a ticket that has not already been defined by the firebase database |
| stringifyDate | When a date input needs to be converted to a string | Converts the JS Date to a string format. |