**Simulating operations of a Kindergarten**

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**Milestone-01**

**Checklist:**

|  |  |
| --- | --- |
| * **User 1: "Parent"** * **User 2: “Teacher”** * **User 3: “Admin”** * **User 4: “Student”** * **User 5: “HR”** * **User 6: “Applicant”** | **Goals: 7**  **Goals: 7**  **Goals: 3**  **Goals: 4**  **Goals: 5**  **Goals: 3** |

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**Action 1: User Log In/ Sign Up**

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e1:There will be a UI window and it will have fields:

* ID
* Password
* Category

Additionally, there will be a Forgot Password link and a Sign up link too.

e2:The user will input his/her credential into the ID and Password fields.There will be a scroll with designations under the Category field and the user selects their required field, to access. If all the information is correct, the user will get access.  
 e3:If any user information is wrong, a message will pop up saying:  
“Caution: User ID or Password is wrong or does not exist. Please check.”

There will be a “Forgot Password” link in case the user gives the wrong password or forgets password and it will redirect to another UI window where the user will input ID and a message will pop up saying: “Please check your email to reset your password.”

A reset password request link will be sent to the user via email, and will be redirected to another page saying:  
”Please create a new password for your account.”  
The page will consist of two fields:

* New Password
* Confirm Password

PLEASE NOTE THAT, THE USER CAN ONLY RESET THE PASSWORD USING THE EMAIL THE USER GAVE WHILE SIGNING UP.

e3: If the user does not have any account then they will Sign Up.The Sign Up UI window will have fields under the categories of “Parent” / “Teacher” / “Job Applicant” / “Student”

* Name
* Email
* Phone Number
* Gender
* Date Of Birth(dd/mm/yy)
* Marital Status
* Password
* Confirm Password

\*\* The “Parent” category will have additional fields of

* Student ID
* Add another ID

The parent can add multiple IDs of the students associated with him.

The user will select “**Sign Up**” button, in order to create a profile, and this will redirect to the user profile.

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**Action 2: Payment Method**

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e1: In payment UI, users have to pick a method to pay, there will be 3 options will be Available : "Credit Card" , "Bank", "Bkash".

e2: If the user chooses **Credit Card**, the will be redirected to Card Payment UI. They Have to select card, they might pay with Mastercard, Visa Card or DBBL Card. For master and visa card they have to give holders name, card number and CVV number and click on submit. with that the payment will process, if payment is successful they will given successful prompt and an email will be sent to their email, also taken back to Home UI. If payment failed Card Payment UI will reload with "Transaction Failed" prompt.

e3: If the user choose DBBL card, they will be redirected to DBBL designated UI (official) and after successful payment they will taken to Home UI.

e4:If the choose **Bkash**, they will be given the number to send money and after sending money they have to give the transaction ID and phone number they sent the money from. Then have to submit and will be taken Home Ui, upon successful payment.

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**Action 3: Logout**

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e1:The Logout option will always appear at the top right corner of the page.If the user clicks it, the user will be logged out of the account and redirected to the login window.

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**Action 4: Exit**

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e1:The Exit option will always appear in any window opened from the Home UI at the top right corner of the window.If the user clicks it,redirected to the Home UI.

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**User 1: Parent**

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**Goal 1: Home UI**

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e1:There will be a UI window for login and it will have three fields:

* ID
* Password
* Category

There will be a scroll with designations and the parent has to choose the parent field.

e2:The parent will input his credentials into the field in case to login, if the user does not have an account then they will sign in.

e3: After the login process is successfully done, a patient Home UIwindow will pop up.

e4:Inside the Home UI window, the user will see some options through which they have to choose, the options are :

* Progress Report
* Registration
* Curriculum
* Notice Board
* Meet with a Teacher
* Feedback

e5:Upon selecting the options in the Home window, the user will be redirected to a new window.

**Goal 2 : Progress Report**

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e1:If the user selects “**Progress Report**” button/option , the fields which the user has filled while signing up- Parent ID, Parent Name,Student Ids,Phone Number, Email, - will appear at the top of the window.

e2:The parent will see the following field:

* Student’s ID

User will input his child’s student ID. If the ID is correct, will load the gradesheet associated with the given ID will be loaded. Else it shows “ Invalid ID”

* Back

User will select this option to go back to the home page.

e3:”Action 3 : Choose an Option”

e4:”Action 4 : logout”

**Goal 3: Registration**

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e1:"Action 1: Login"

e2: After successful login user will be taken to Home UI, from there user can choose "Registration" option and will see a field :

* Student ID

If the registration time is closed for the given ID, it will show “ Invalid time for registration , Please check back later” else it will take the user to the registration window. This window will show the fees table according to the Student ID type.

e3: For billing process, the UI window will have a section beside the table, where the total amount will be shown according to the ID.The fields for billing process are :

* Total
* Total with Vat(%)
* Discount(%)
* Net Amount.

e4: In payment UI section, users have to pick a method to pay. There will be three options : Credit Card , Bank, Bkash.After they select a payment method, they have to select the “**Continue**” button, the user will be redirected to another window- to input the necessary information according to the payment method.

e4:”Action 2 : Payment Method”.

e5:After all the credentials are filled up by the user in the payment method, there will be a button called “**Pay Now**”, which will finish the payment procedure for the user. There will be another button called "**Print PDF**" to view the paid bill.

e6: “Action 3 : Logout”

**Goal 4: Curriculum**

**---------------------------------------------------------------------------------------------**

e1:"Action 1: Login"

e2: After the login process is done, the user will be redirected to the Home UI.

e3: In the Parent UI there will be a button “**Curriculum**”. Upon clicking a field will

appear :

* Student ID

This will take the input and if it is correct ,it will load the curriculum associated

with that student, else shows “ Invalid ID”.

e4: To go back to the home UI the user will click the button “**Back**’’.

e5 : “Action 3 : Logout”

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**Goal 5 : Notice Board**

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e1:"Action 1: Login"

e2: After the login process is done, the user will be redirected to the Home UI.

e3: In the Parent UI there will be a button “**Notice Board**”. Upon clicking a box

will pop up with the notices posted by the admin. If no notices were posted

then it shows “No notices for today”.

e5: “Action 3 :Logout”.

**Goal 6 : Book an appointment with a teacher**

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e1:"Action 1: Login"

e2: After the login process is done, the user will be redirected to the Home

UI.

e3: In the Parent UI there will be a button “New Teacher Appointment”.

Upon clicking an appointment booking UI will pop up.

e4: If the user selects “New Teacher Appointment” button/option, fields will

appear at the top of the window and the field names will be :

* Search Teacher

A search tab will be there for the users to search for Teachers. Only the teachers of the particular student will be available to search.

* Date

This will be automatically updated.

* Category

The user will choose the subject, e.g. Social studies

* Teacher

The teacher’s name will appear according to the selected Category. Only the teachers of the particular student will be available.

* Date of appointment

User will select the preferred date from calendar. Also, the list will only show the available times of the teacher. Only if a teacher is available at a particular time, will the parent be able to choose that time.

* Slot

According to the selected Date, available slots will appear and the users have to select. If any slot is full, a pop-up will appear saying “Slot is full.Please select another slot.”Thus the user has to choose another slot.  
 e5:There will be an “Add” Button, and if the user clicks on it, the information will be updated into the table.The table includes:

* Date
* Teacher’s Name
* Time
* Room number

e6:”Action 3 : Logout”.

**Goal 7: Giving Feedback**

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e1:"Action 1: Login"

e2: After the login process is done, the user will be redirected to the Home UI.

e3: In the Parent UI, if the user selects “**Feedback**” option, a Feedback UI will

pop up.

e4: The user will select the empty box to write feedback and have to click on the

“**Give Feedback**” button to continue.A pop up message will appear saying :

“Thank you for your feedback.”

e5: The details of feedback will be saved in the software and will be accessed by

administrator.

e6: After submitting the feedback, user will be taken to Home UI.

e7:"Action 3 : Logout"

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**User 2: Teacher**

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**Goal 1: Home UI**

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e1: The Teacher UI will have the following options :

* My Appointment
* Gradesheet
* Edit Slot
* Notice Board

NOTE : On the sides of the Teacher Home UI, the user’s status (Designation, Salary Increment percentage) will be shown automatically.

**Goal 2: Check Appointment List**

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e1:"Action 1: Login"

e2: User selects “**My Appointment**”.A table with the following fields will be

shown:

* Slot
* Parent’s ID
* Name
* Student’s ID
* Student’s name
* Grade
* Section

Beside Student’s Name, one additional button will be available:

* View Student’s Progress Report

There will be an additional static section of the table which will show the meeting invitation given by the HR manager which will show the time and date of the meeting. If there are no meetings. This section will be empty.

e3: If there are no appointments due then shows “ No Appointments found”.

e4: “Action 3 : Logout”

**Goal 3 : Post Grades   
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e1:"Action 1: Login"

e2:User will select “**Gradesheet**” and a table with the following fields will be

shown:

* Classes
* Section
* Schedule

These are the classes the teacher is particularly appointed to.

Beside Section, three additional buttons will be available:

* Post Grades
* View Grades History
* Post Study Materials

e3: When user selects “**Post Grades**” , a Table will appear with the following

fields fields :

* Students’ Name
* IDs
* Grades
* Remarks

Additionally, there will be Button for each of the grade and remarks section for each student ID, in case to take inputs from the user :

* Edit Grade

When user selects “Edit Grade” for any student ID, He will put an input between the characters “ A – F” or character ‘I’. If the input character is anything else, it shows “Invalid grade” else it saves the input as a grade of the Student ID.

* Edit Remarks

This field will allow the teacher to write statements of 250 characters for each Student ID. This field can be skipped by choice for any ID.

e3: There will be a button “Post Grades” at the end of the table which will save

the Grades for that particular section. Every time this button will be clicked, it will

record the latest data.

e4: “Action 4 : Exit”

e5: “Action 3 : Logout”

**Goal 4: View Grade History**

**------------------------------------------------------------------**

e1:"Action 1: Login"

e2:User will select “ **Gradesheet**” and a table with the following fields will be

shown:

* Classes
* Section
* Schedule

These are the classes the teacher is particularly appointed to.

Beside Section, two additional buttons will be available:

* Post Grades
* View Grades History

e3: When user selects “**View Grades History**” , a Table will appear with the

following fields fields :

* Students’ Name
* IDs
* Grades
* Remarks

Under the table two buttons will appear:

* + - * Print

This will print the table.

* Exit

User will be able to exit the window using “**Exit**” button.

e4: “Action 3 : Logout”

**Goal 5: Post Study Materials**

**------------------------------------------------------------------**

e1:"Action 1: Login"

e2:User will select “ **Gradesheet**” and a table with the following fields will be

shown:

* Classes
* Section
* Schedule

These are the classes the teacher is particularly appointed to.

Beside the Sections, two additional buttons will be available:

* Post Grades
* View Grades History
* Post Study Materials

e3: When user selects “**Post Study Materials**” ,an input Table will appear saying

“Insert a file”

This will allow the user to insert a ppt , pdf or doc file from the computer. After the file is loaded, a button will appear at the bottom saying “ **Post Materials**” which will post the study materials for that section.

e4: “Action 4 : Exit”

e5: “Action 3 : Logout”

**Goal 6 : Edit Slot**

**-----------------------------------------------------------------------------------**

e1:"Action 1: Login"

e2: After the login process is done, the user will be redirected to the Home UI.

e3: In the Home UI, an “**Edit Slot**”. Upon clicking a UI will pop up.

e4:In case the teacher wants to change the date of the Appointment, the teacher

has to select the date and slot that he wants to change and select his

preferred date and slot.

e5:The newly updated time will appear in the table data of the parents who

registered for that previous slot.

e6: “Action 3 :Logout”.

**Goal 7 : Notice Board**

**-----------------------------------------------------------------------------------**

e1:"Action 1: Login"

e2: After the login process is done, the user will be redirected to the Home UI.

e3: In the Teacher UI there will be a button “**Notice Board**”. Upon clicking a box

will pop up with the notices posted by the admin. If no notices were posted

then it shows “No notices for today”.

e5: “Action 3 :Logout”.

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**User 3: Student**

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**Goal 1: Home UI**

**-------------------------------------------------------------------------------------------**

e1:There will be a UI window for login and it will have three fields:

* ID
* Password
* Category

There will be a scroll with designations and the student has to choose the **Student** field.

e2:The student will input his credentials into the field in case to login, if the user does

not have an account then they will sign in.

e3: After the login process is successfully done, a student Home UIwindow will

pop up.

e4:Inside the Home UI window, the user will see some options through which they have

to choose, the options are :

* Study Materials
* Grades

e5:Upon selecting the options in the Home window, the user will be redirected to a new window.

**Goal 2: Viewing Study Materials**

**-------------------------------------------------------------------------------------------**

e1:"Action 1: Login"

e2:User will select “**Study Materials**” and a table with the following fields will be

shown:

* Classes
* Section
* Schedule

Beside the Classes, one additional button will be available:

* Show Study Materials

e3: When user selects “**Show Study Materials**” ,it will redirect the user to a window where he will find the material files . If no materials were posted by the teacher, the window shows “ No materials found”

e4: there will be a “Print” button beside every posted material for the student to print it .

e5: “Action 4 : Exit”

e6: “Action 3 : Logout”

**Goal 3: Viewing Grades**

**-------------------------------------------------------------------------------------------**

e1:"Action 1: Login"

e2:User will select “**Grades**” and a gradesheet table with the following fields will be

shown:

* Classes
* Schedule
* Grades

This table is filled up based on the user’s ID.

e3: there will be a “Print” button at the bottom student to print the gradesheet.

e5: “Action 4 : Exit”

e6: “Action 3 : Logout”

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**User 3: Admin**

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**Goal 1: Creating a new account**

**---------------------------------------------------------------------------------------------**

e1:"Action 1: Login"

e2: After the login process is done, they will be redirected to their Home UI.

e3: They have to click on "ADD NEW ACCOUNT" and will be redirected to Registration UI, there they will fill up all the details and select the account user category (Parent , Student , Teacher) from the scroll list and then click “Create Account” and then new account will be created for the selected category and will be given a specific one time password.

e4: After creating a new account user can Log Out or go back to HOME UI and can give password and username to the designated person.

**Goal 2: Posting on the Notice Board**

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e1:"Action 1: Login"

e2: After the login process is done, they will be redirected to their Home UI.

e3: There will be an option named "Create New Notice” which will redirect to a

new window with the following options:

* + - * Date

This field will be updated by default .

* + - * Text

The user will write the notice in this field.

* + - * Insert

he user will see a tab here to attach any ppt, doc or pdf file from

his computer.

* + - * View to

The user will select a category from Student/ Teacher / Parent.

e4: The user will have to click on “Post Notice” Button at the bottom to post the

notice on that day.

e5: After posting, The user can Log Out or go back to home UI .

**Goal 3: Viewing Bills and Payments**

**--------------------------------------------------------------------------**

e1:"Action 1: Login"

e2: Upon login, Home UI loads and have to choose “**Bills**” option which will show

the following fields:

* + - Date

The date will be filled by default for that day but the user will be able change

it by giving an input in this field.

* + - The number of Bills

This field will show the number of bills paid on that day and will have a

button “Load Bills”.

e3 : The user will get a list of bills for the given date in a new window where

every bill on the list will have two options beside them:

* + - View

The user will be able to see the bill distribution along with the Parent’s ID,

the Student’s ID and other Informations.

* + - Print

This will allow the user to Print that bill.

e4: “Action 4: Exit”

e5: After the work is done they can either logout or go to Home UI by choosing

the options.

**Goal 4: Resetting the whole application**

**-------------------------------------------------------**

e1:"Action 1: Login"

e2: After the login process is done, they will be redirected to their Home UI.

e3: there is an option named "Special Request", upon clicking it, users have to

re-login. after re-login user will be taken to a RESET UI.

In the meantime one email will be sent to a specific email (Principal)with a

different password containing in that email and asking for permission to reset.

e4: In "RESET UI" there will be 2 fields to put passwords, one is from the user,

the other is from the email that was sent. if the user put all the passwords

correctly all the software will ask to reset, if the user click reset again , the

software will delete all data except the admin’s detail and reboot.

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**User 5: HR Manager**

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**Goal 1: Home UI**

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e1:There will be a UI window for login and it will have three fields:

* ID
* Password
* Category

There will be a scroll with designations and the user has to choose the **HR** field.

e2:The user will input his credentials into the field in case to login, if the user does

not have an account then they will sign in.

e3: After the login process is successfully done, a HR manager Home UIwindow will

pop up.

e4: The Manager UI will have the following options :

* Teacher’s log
* Meetings
* Teachers’ Salary
* Applications
* Notice Board

e5 :Upon selecting the options in the Home window, the user will be redirected

to a new window.

**Goal 2: Checking Teachers’ log**

**------------------------------------------------------------------**

e1:"Action 1: Login"

e2:User will select “**Teachers’ log**” and a menu box will appear with the

department options. On selecting a department, a table with the following

fields will be shown:

* Teacher’s ID
* Teacher’s Name
* Designation
* Degrees
* Classes
* Sections
* Schedule
* Joining Date
* Applicant ID

This table shows the details of the teachers of the selected department.

e3: “Action 3 : Logout” / “Action 4 : Exit”

**Goal 3 : Create new meetings**

**-----------------------------------------------------------------------------------**

e1:"Action 1: Login"

e2: After the login process is done, the user will be redirected to the Home

UI.

e3: In the Parent UI there will be a button “**Meetings**”.

Upon clicking an UI will pop up showing the previously created meetings and

there will be a “**Create New Meeting**” button /option. If no meetings were

scheduled it will show “ No meetings due”.

e4: If the user selects “Create New Meeting” Button/option, fields will

appear at the top of the window and the field names will be :

• Category

The user will choose the subject/department, e.g. Social studies

* Search Teacher

A search tab will be there for the users to search for Teachers.

* Add another

This options allows the user to send the meeting invitation to more than one

teacher.

* All

This option will be given in a checkbox. By clicking this the user can call a meeting

will all of the teachers.

* Date of Meeting

User will select their preferred date of the meeting from the calendar.

* Time

User will select the time of the meeting. If there is a meeting previously created on the same time and date, it shows “Invalid time”. The user may change the time then.

* Topic

User will give an input of the topic of discussion or a note to remember.

e5 : After giving the meeting inputs the user will click on the “**Create”** to post the meeting invitation to the selected category of users.

e6 : “Action 3 : Log out” / “Action 4: Exit”

**Goal 3 : Changing the designation & Increasing the salary increment**

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e1:"Action 1: Login"

e2: After the login process is done, the user will be redirected to the Home

UI.

e3: In the Parent UI there will be a button “**Teacher’s Salary**”.

Upon clicking an UI will pop up showing the previously edited increment

history and there will be a “**Edit increment**” button /option.

e4: If the user selects “**Edit increment**” Button/option, fields will

appear at the top of the window and the field names will be :

* Category

The user will choose the subject/department, e.g. Social studies

* Search Teacher

A search tab will be there for the users to search for Teachers of the selected

department and upon selecting the teacher it will show up a table will the given

fields :

* Teacher’s ID

This field will be automatically updated.

* Teacher’s Name

This field will be automatically updated.

* Department

This field will be automatically updated.

* Designation

This field will show the current designation and will give an option “**Edi**t” below to

Change the designation of the teacher. By Clicking this option the user will click

on a menu box to select designations (e.g. Asst. Teacher ,Head Teacher).

* Salary Increment Percentage

This field will show the current increment percentage and will give an option“**Edi**t”

below . By Clicking this option the user will give a number input which will be the

new percentage.

e5 : After giving the meeting inputs the user will click on the “**Save”** to save the

changed data. The changed increment will show on that teacher’s home UI

e6 : “Action 3 : Log out” / “Action 4: Exit”

**Goal 4 : Evaluating Job Applications   
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e1:"Action 1: Login"

e2:User will select “**Applications**” and a table with the following fields will be

shown:

* Applicant’s ID
* Submission Date
* Post

These are job applications submitted by the applicants.

Beside each application in the table, three additional buttons will be available:

* View

This option will view the application form in a window. The user can press “Exit”

to exit from the window.

* Response

This option will have two checkboxes of “**Approve**” and “**Reject**”. The user will

select one of the boxes. When one the boxes are selected, the other box becomes

static automatically.

* Interview

This field will allow the user to select a preferred date from the calendar and time for

the interview.

* Notes

The user can write any reminder or additional message to the applicants within 0-

250 word limit.

e3: The user will select “**Post**” button below to Update the records.

e4 : “Action 3 : Log out” / “Action 4: Exit”

**Goal 5: Posting on the Notice Board**

**---------------------------------------------------------------------------------------------**

e1:"Action 1: Login"

e2: After the login process is done, they will be redirected to their Home UI.

e3: There will be an option named "**Notice Board**” which will redirect to a

new window where the previous notices posted by the HR or the Admin will

be shown in a list. Below the list there will be a “**Create new Notice**”

button.Clicking this will show the following options:

* + - * Date

This field will be updated by default .

* + - * Text

The user will write the notice in this field.

* + - * Insert

The user will see a tab here to attach any ppt, doc or pdf file from

his computer.

* + - * View to

The user will select a category from Student/ Teacher / Parent/ Applicants / All

e4: The user will have to click on “Post Notice” Button at the bottom to post the

notice on that day.

e5: After posting, The user can Log Out or go back to home UI .

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**User 6: Job Applicants**

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**Goal 1: Home UI**

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e1: There will be a UI window for login and it will have three fields:

* ID
* Password
* Category

There will be a scroll with designations and the user has to choose the “Applicant” field.

e2: The user tudent will input his credentials into the field in case to login, if the user does not have an account then they will sign in.

e3: After the login process is successfully done, an Applicant Home UIwindow will

pop up.

e4: Inside the Home UI window, the user will see some options through which they have

to choose, the options are :

* My applications
* Available Jobs

e5:Upon selecting the options in the Home window, the user will be redirected to a new window.

**Goal 2: Viewing Application Status**

**-------------------------------------------------------------------------------------------**

e1:"Action 1: Login"

e2:User will select “**My Application**” and a table with the following fields will be

shown:

* Application No.

This field is filled up based on the user’s ID.

* Date of submission
* Response

This field will show “Approved” or “Rejected”. If No response was recorded by the

HR manager of the school then this field will show “Pending”.

* Interview Schedule

This field will show the date and time given for interview if the response field shows

“Approved”, Otherwise it will show “X”

e3: Beside every submitted application there will be an option “View” to view the filled

up form in a window. The user will be able to exit the window.

e5: “Action 4 : Exit”

e6: “Action 3 : Logout”

**Goal 3: Applying for a Job**

**-------------------------------------------------------------------------------------------**

e1:"Action 1: Login"

e2:User will select “**Available Jobs**” and a table with the following fields will be

shown:

* Job Title

This field will show the post of the Jobs.

* Vacancy

This will show the number of seats available for that post.

e3: There will be a “Show details” button beside every listed Job which will redirect to a new window with the following fields shown below :

* Description

This field will show the duties and responsibilities of the job.

* Requirements

This field will show the qualifications required for that post .

e4: Beside “Requirements” there will be a button “Apply now” to apply for the job.

The user will click on that button to load a form to apply for the job.

e5: The form will allow the users to fill up the following fields:

* Applicant’s Full name :
* Age :

The Age limit will be set from 24 to 35.

* Gender:

The user will select the gender from a menu box( Male/Female/Other).

* Current Address:
* Educational Background:

The user will click on an “Add” button to view three fields :

* + - Name of the Institution

The user will write the name of the institute

* + - Degree

The user will select a type of degree ( e.g. High school diploma)

* + - Year

The user will select a year from a menu-box within a given range.

* Experiences:

The user will make a short note of his experiences within 500 words in this field.

* Email address:
* Phone No. :

The integer digit limit will be set to 11.

* Upload Picture:

The User will attach his passport size photo here.

e6: The user will click on “Submit” button below the form. If the user misses any field,

it shows “Please fill up all the fields”, else it submits the form to the HR.

e7: “Action 4 : Exit”

e8: “Action 3 : Logout”