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1. Steps to run TOY Scenario:

TOY Station focusses on TOY scenario where an activity can be created for a selected senior and child.

The application is built using Spring Boot and is a web application. On starting the application, the endpoint url can be accessed from the console - Open the URL: //http://localhost:8080/toysystem

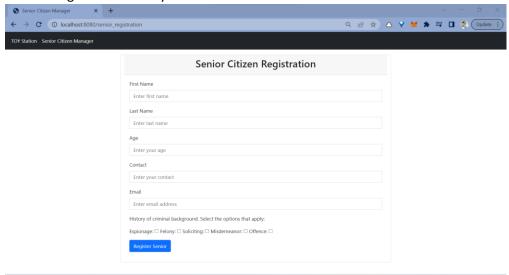
The welcome page contains the URLs to access the various components available in the TOY system.

An example TOY Scenario:

- TOY Station admin handles all the registrations and handles the application.
- TOY Station contains Senior Component, Child Component, Activity Supercomponent

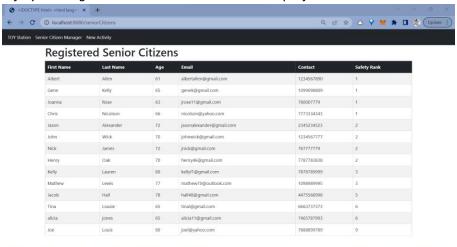


- A senior citizen wants to signup, he provides the details on the registration from to the admin and will register into the system.

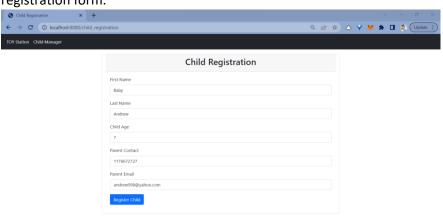


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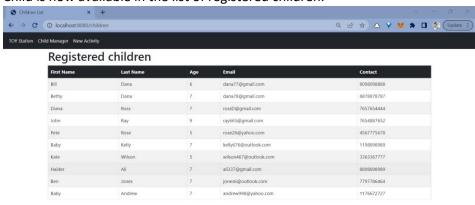
- The senior citizen is now available in the list of registered senior citizens in the order of their safety ranking which is a NOVEL feature in this project.



- A parent wants to leave the child at the station, provides the child details to fill the child registration form.



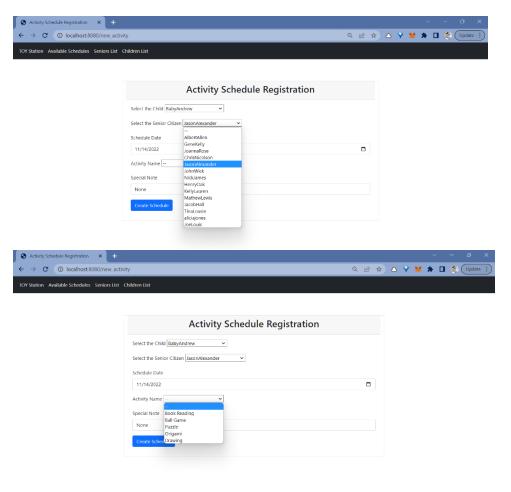
- Child is now available in the list of registered children.

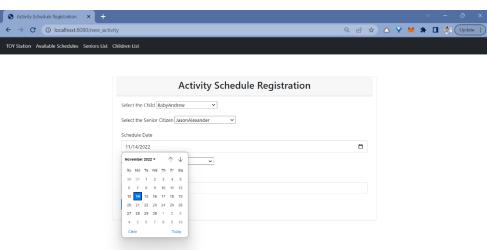


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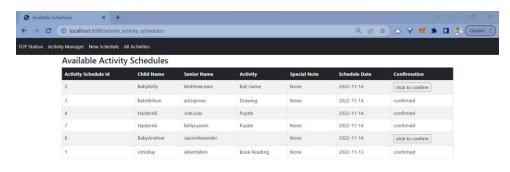
- The parent wants to book a schedule: The admin can get the list of available senior citizens ordered by their safety rank and available activities and create an activity for the child.





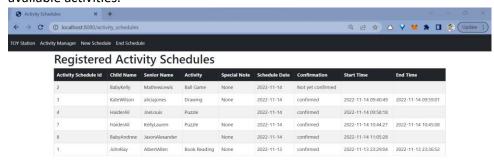
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- After selecting the details, the activity schedule can be confirmed.





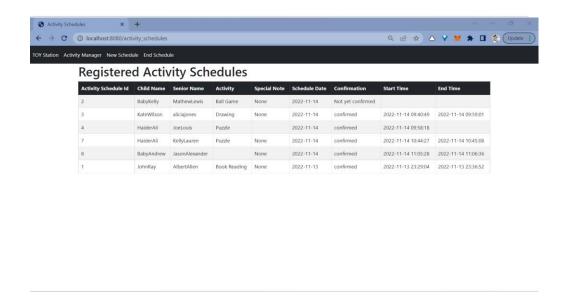
 On confirmation, schedule will be started. The start time details can be found in the list of available activities.



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- The parent returns to TOY station to claim the child- toy admin ends the schedule and schedule end time will be recorded.





2. Demo for base-line comonents:

This TOY Station contains the below components:

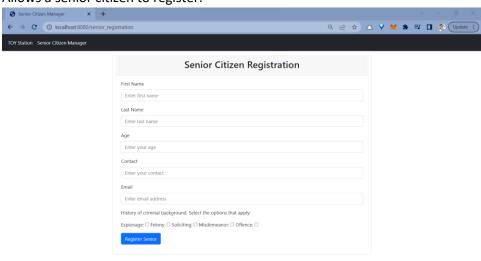
• Senior Citizen component:

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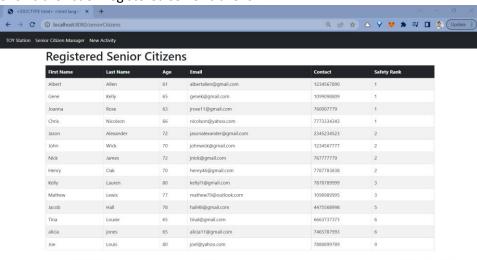


Welcome to Senior Citizen Manager

Allows a senior citizen to register.



- Ranks the senior citizen based on crime background questions answered during registration. This is the senior's Safety Rank.
- Shows the list of Registered senior citizens.



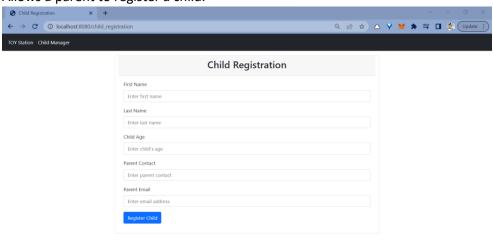
• Child component:

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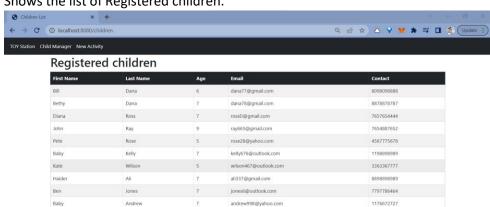


Welcome to Child Manager

Allows a parent to register a child.

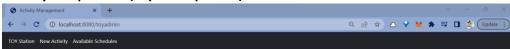


- Shows the list of Registered children.



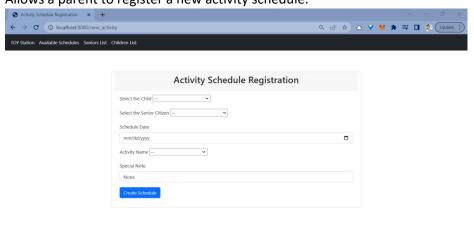
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Activity component: (Supercomponent)

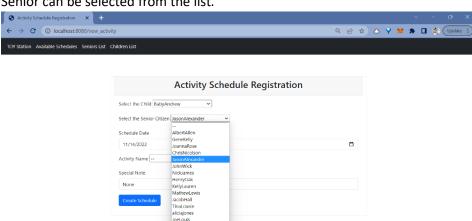


Welcome to Activity Manager

- Allows a parent to register a new activity schedule.

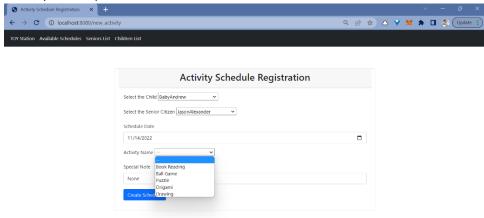


- Senior can be selected from the list.



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- Activity can be picked from the list



- Once the details are selected, schedule can be confirmed.

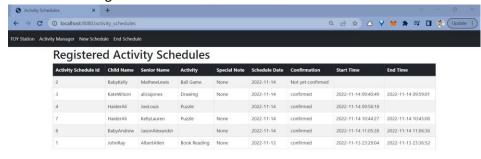


- Shows the list of Registered activity schedules.



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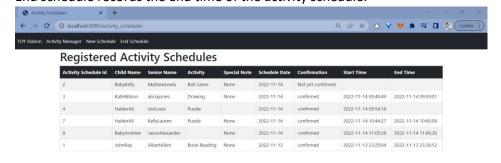
Confirmation begins the schedule and start time is recorded.



- Parent returns to claim the kid, schedule can be ended using the End schedule option.



- End schedule records the end time of the activity schedule.



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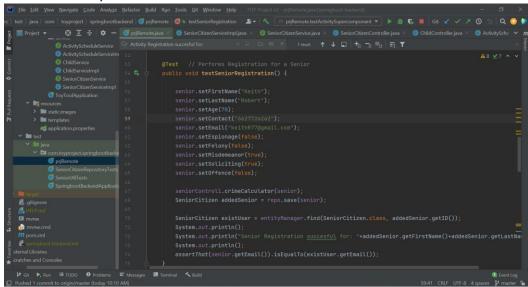
3. Supercomponent simulation using prjRemote:

The functionality of the Activity supercomponent can be simulated using the Tests in prjRemote.

The request is formed by ingesting data to the registration methods of the activity component and an activity schedule creation, confirmation and end can be simulated.

- Performs Senior citizen Registration:

Passes necessary information to create senior citizen record



Console shows Registration is successful:

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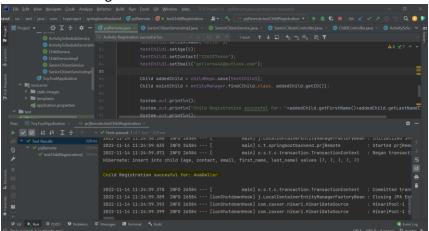
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- Performs Child Registration:

Passes necessary information to create Child Record

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Console shows registration is successful:



- <u>Activity Schedule supercomponent for Activity Registration:</u>

Creates a new activity schedule for senior and child, confirms the activity and records starttime and endtime.

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Console prints the Registration success message, Activity start time and End time:

