

SPRINT 1 REPORT

SMARTFARMER – IoT ENABLED SMART FARMING
APPLICATION

TEAM ID – PNT2022TMID22142

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Project Tracker

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	15	5 Days	26 Oct 2022	30 Oct 2022	15	30 Oct 2022
Sprint-2	15	7 Days	31 Oct 2022	06 Nov 2022		07 Nov 2022
Sprint-3	15	6 Days	07 Nov 2022	12 Nov 2022		13 Nov 2022
Sprint-4	15	6 Days	13 Nov 2022	18 Nov 2022		18 Nov 2022 – 19 Nov 2022

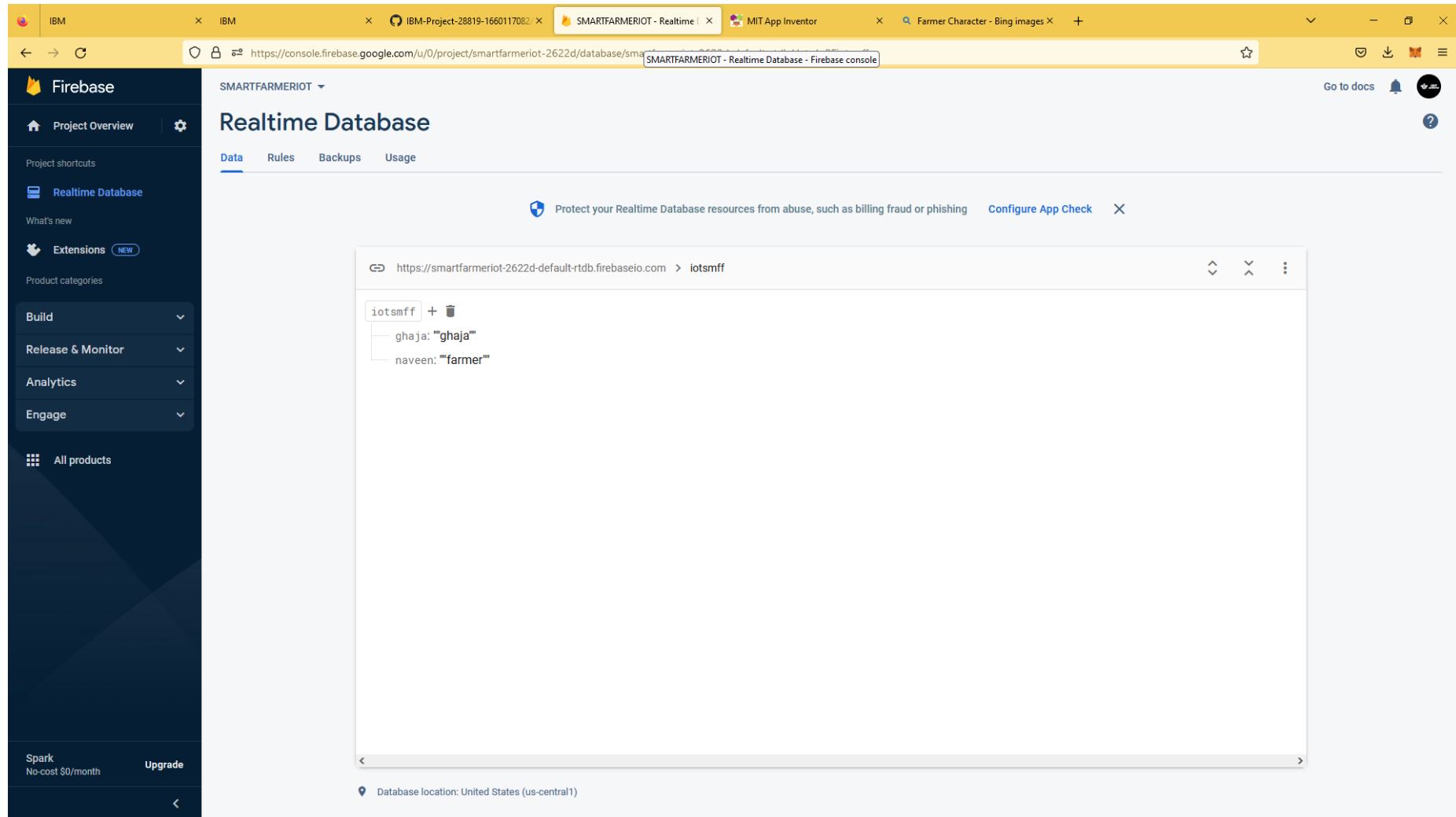
Login Screen Creation

The screenshot displays the MIT App Inventor web interface in a browser window. The address bar shows the URL `ai2.appinventor.mit.edu/#6321770861559808`. The interface is divided into several sections:

- Top Bar:** Includes the MIT App Inventor logo and navigation links: Projects, Connect, Build, Settings, Help.
- Project Bar:** Shows the project name "iotsmff" and buttons for Screen1, Add Screen, Remove Screen, and Publish to Gallery. It also has tabs for Designer and Blocks.
- Left Palette:** Contains a search bar and categories for components: User Interface (Button, CheckBox, DatePicker, Image, Label, ListPicker, ListView, Notifier, PasswordTextBox, Slider, Spinner, Switch, TextBox, TimePicker, WebViewer), Layout, Media, Drawing and Animation, Maps, Charts, Sensors, Social, Storage, and Connectivity.
- Center Viewer:** Displays a mobile phone mockup of the login screen. The screen includes a header image of a farmer, a "Username" text box, a "Password" text box with masked characters, and "Login" and "Sign up" buttons. Above the mockup, there are checkboxes for "Display hidden components in Viewer" and a "Phone size (505,320)" dropdown.
- Right Panels:**
 - Components:** A tree view showing the hierarchy of components on the screen: Screen1, VerticalArrangement2, VerticalArrangement1, Image1, Label5, TableArrangement1, username, password, TextBox1, PasswordTextBox1, Label3, login, signup, and FirebaseDB1.
 - Properties:** Shows the properties for the selected "Image1" component, including AlternateText, Clickable, Height, Width, Picture (vector-farmer-cartoon-ch), RotationAngle, ScalePictureToFit, and Visible.
 - Media:** Shows a list of media files, including "vector-f...-farm.jpg", with an "Upload File ..." button.

User Account Creation & Testing


We created nearly 2 accounts for testing and login purposes. During testing we found that our app is working correctly.



S.NO	Tools & Technology Used
1	MIT App Inventor – For Creating Application
2	Firebase – Used as a Database for user credentials
3	Manual Testing – Apps are tested manually

Application in Mobile

Screen1



wrong username & password

Username

Password

Login

Sign up

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