

BLOQS AI

Generating an app with AI
The TrailSign example.





GenAI

IDEA TO MODEL

Let AI generate your initial Bloqs app from idea to model.

App Description

TrailSign – Hiking Route & Incident Register

Rangers and hiking associations can log trail conditions, wildlife sightings, maintenance tasks, and incidents.

Input your app specifications so the AI can generate your app.

GENERATE APP MODEL USING AI 

**STEP 1: ENTER APP
SPECIFICATIONS**

A scenic mountain landscape with a dirt trail winding through a forest of evergreen trees. In the foreground, three hikers are seen from behind, walking away from the camera. The hiker in the immediate foreground is wearing a red jacket, a grey cap, and a large green backpack, using trekking poles. The middle hiker is wearing a red backpack. The third hiker is further ahead on the trail. The background features a large, rugged mountain with patches of snow or light-colored rock under a clear sky.

WAIT FOR AI TO COMPLETE...



TrailSign – Hiking Route & Incident Register Home

Welcome to TrailSign!



Explore thousands of hiking trails across various landscapes and terrains, perfect for beginners and experienced hikers alike.



DISCOVER TRAILS



Stay informed about any recent incidents or maintenance activities to ensure a safe and enjoyable hiking experience.



VIEW ALERTS

STEP 2: DISCOVER THE
FRESHLY GENERATED APP



Trails

Name	Location	Actions
Appalachian Trail	Georgia → Maine (Eastern U.S.)	
Pacific Crest Trail	California → Oregon → Washington (West Coast)	
John Muir Trail	California (Sierra Nevada)	
Bright Angel Trail	Grand Canyon National Park, Arizona	
Navajo Loop Trail	Bryce Canyon National Park, Utah	
Rows per page: 10 1-5 of 5 < < > >		



AUTOMATIC INPUT VALIDATION

TrailSign – Hiking Route &
Incident Register Home

Trails

Incidents

Wildlife sightings

Maintenance tasks

Access control ▼

About

Name
Appalachian Trail

Validation issues (1)
Distance is required.

Location*
Georgia → Maine (Eastern U.S.)

Distance*

Distance is required.

Difficulty*
Medium
Suitable for hikers with moderate experience.

CANCEL

✓ UPDATE

RECORD SIGHTING OF WILD ANIMALS

Wildlife sighting

Species*

bear

Count*

3

Photo

Drag and drop files here or click.



bear-yosemite-trail.jpg

453.3 KB



+ ADD FILE(S)

CLEAR

Notes

While walking through the forest, I observed two bears approximately 50 meters ahead on the trail. The bears appeared to be moving together in a calm manner and did not display any aggressive behavior. I maintained a safe distance and immediately left the area to avoid any confrontation.

CANCEL

✓ UPDATE



MAINTENANCE TASKS

TrailSign – Hiking Route &
Incident Register Home

Trails

Incidents

Wildlife sightings

Maintenance tasks

Access control

About

default

Maintenance task

Task*

Debris Removal

Assigned to

John Doe

Deadline

10/11/2025



Status*

Pending

Task not yet started.



Pending

Task not yet started.

In Progress

Task is currently being worked on.

Completed

Task completed successfully.

Trail

GENAI

DISCARD CHANGES

SAVE CHANGES

C Container

E Edit: Entity

C Container

G Grid

T Input: Text

Name*
Appalachian Trail

T Input: Text

STEP 3: IN-APP FINETUNING

Entity class

DATA-MODEL TUNING

Properties

+ ADD

Name*	Data Type*		<input checked="" type="checkbox"/> Is Required	Help Info	Include in Default View	
title	String	Class		A brief title of the incident.	<input checked="" type="checkbox"/>	
Name*	Data Type*		<input type="checkbox"/> Is Required	Help Info	Include in Default View	
description	String	Class		Detailed information about the incident.	<input checked="" type="checkbox"/>	
Name*	Data Type*		<input checked="" type="checkbox"/> Is Required	Help Info	Include in Default View	
date	Date	Class		The date when the incident occurred.	<input type="checkbox"/>	

Entity storage
default

☐ Enable Text Search

Entity Type Name
Bloqs.App.Engine.Entities.DynamicDataEntity

Entity class

Incident

Plural*

Incidents

Properties

+ ADD

Name*

title

Name*

description

Name*

date

Entity storage

default

ADJUST STYLING

Title*

TrailSign – Hiking Route & Incident Register

Primary Color*

#4caf50ff

Secondary Color*


#ff9800

Color picker dialog showing a grid of color swatches.


trail conditions, wildlife sightings, maintenance tasks, and incidents.
chments, and export to maps.


CANCEL UPDATE


ADDING LOGIC


TrailSign – Hiking Route & Incident Register Home 

Trails 

Incidents 

Wildlife sightings 

Maintenance tasks 

Access control 

About 



Name*

NotifyUser

Result Type

No Result

Execution Layer

User Interface

- Logic
- Loops
- Math
- Text
- Lists
- Variables
- Functions
- Messaging
- User Interface
- Common
- Data
- User

display notification

 create text with

“ Welcome, ”

get user name

with style

“ success ”

About

Bloqs Modeler is a low-code platform to visually design and run a
Version: 0.1.7.0

 RESET APP MODEL

 C#

**STEP 4: DOWNLOAD C#
CODE AND CONTINUE
CODING IN VISUAL
STUDIO (OPTIONAL)**

ices | Tom van Oost, 2 days ago | 1 author, 2 changes
: Task<IAppDefinition> BuildAppDefinition(Bu
|
ar appDefinition = new AppDefinition

AppDetails = new AppDetails

{

Name = "my-app",

Title = "TrailSign - Hiking Route & I

PrimaryColor = "#4CAF50",

SecondaryColor = "#FF9800",

Avatar = "TR",

Description =

"Rangers and hiking associations

HomePageId = null,

DeleteStatus = DeleteStatus.None,

Id = new Guid("0199c9ff-c07a-75b4-a17

},

EntityStorages = new List<EntityStorage>

{

new EntityStorage

{

Name = "global",

EntityStorageType = EntityStorage

DeleteStatus = DeleteStatus.None,

Id = new Guid("aed38ff4-b986-8015

},

new EntityStorage

