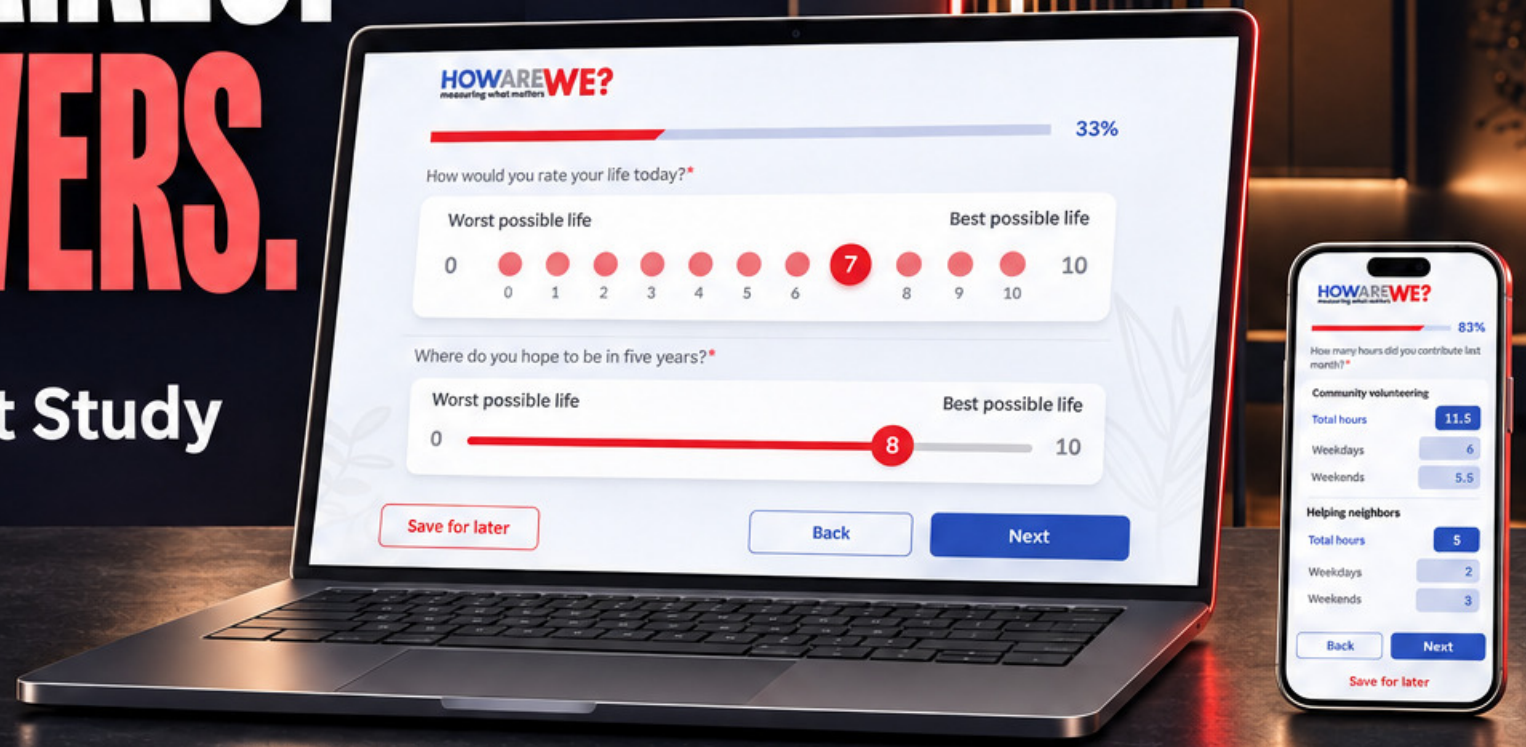
HOWAREWE?
measuring what matters

Advanced questionnaire builder & survey platform

ADVANCED QUESTIONNAIRES. EASY ANSWERS.

641 Responses in Pilot Study



Emilian Manolache
Software Architect & Full-Stack Developer | End-to-End

End-to-End: Questionnaire builder development / Conditional survey logic / Saved progress & response storage / CSV exports

2021-2022

HOWAREWE? measuring what matters

RESEARCH IN PRACTICE

SOFTWARE FOR ADVANCED QUESTIONNAIRES

I built the custom questionnaire platform for HowAreWe's advanced surveys.

641

responses in the first pilot

Bayfield County, Wisconsin

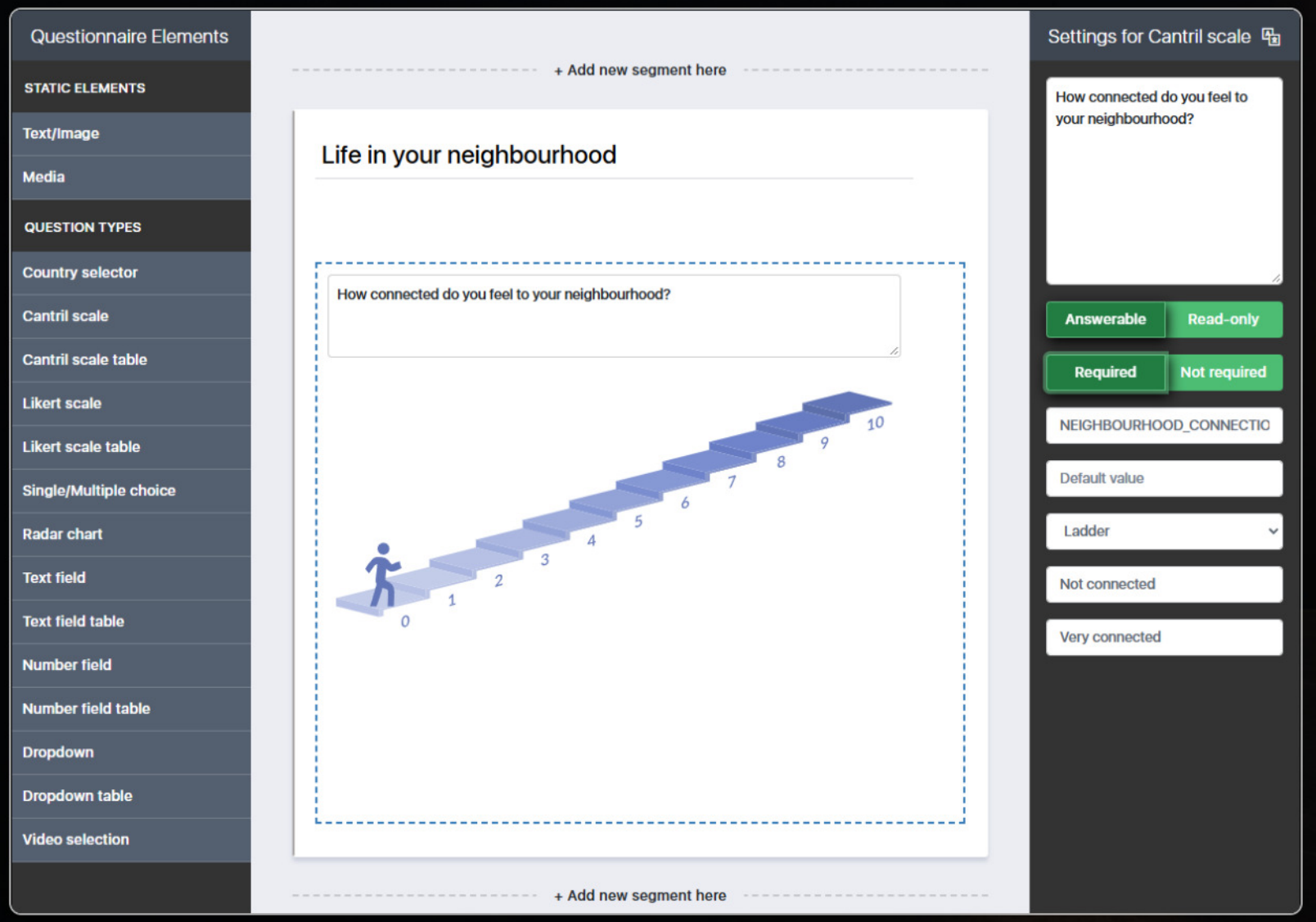
IIER's well-being pilot, April 2022

≃5%

of adult full-time residents

A VISUAL BUILDER FOR COMPLEX QUESTIONNAIRES

Drag-and-drop authoring combines segments, question settings and previews.



COMPOSE THE INSTRUMENT

Pages and questions

Arrange elements and set labels, ranges and defaults.

Edit with context

Question previews sit beside their configuration.

14 CONFIGURABLE QUESTION TYPES

A flexible set of research controls, with scalar and table forms where they matter.

SCALES & PRIORITIES

- Cantril scale
- Cantril scale table
- Likert scale
- Likert scale table
- Radar chart

CHOICE & SELECTION

- Single / multiple choice
- Country selector
- Dropdown
- Dropdown table
- Video selection

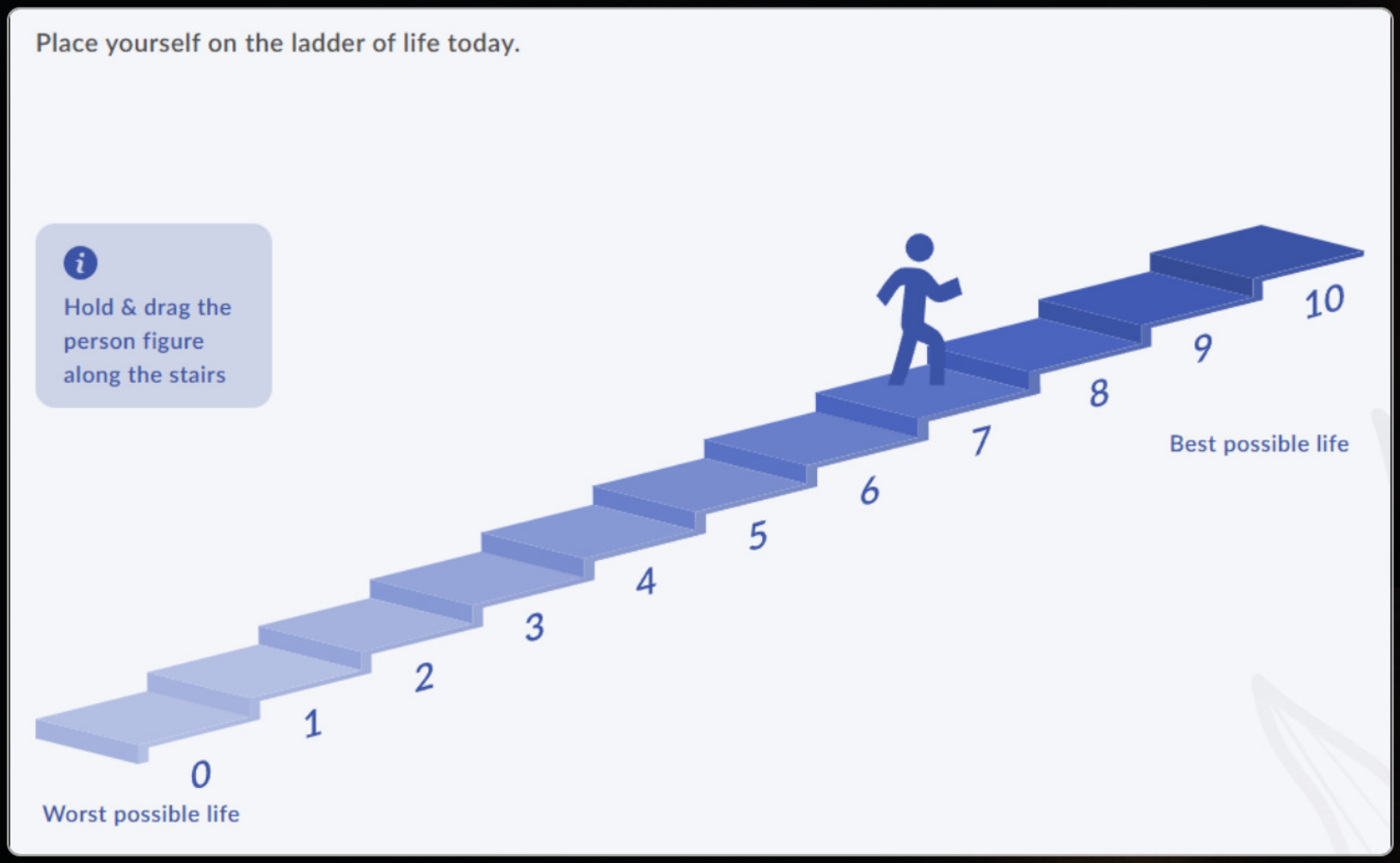
STRUCTURED RESPONSES

- Text field
- Text field table
- Number field
- Number field table

Rich text, images and media blocks add context around the questions.

A VISUAL WAY TO ANSWER

Participants place themselves on a life scale by dragging the person along the ladder.



DIRECT INTERACTION

Drag to a step

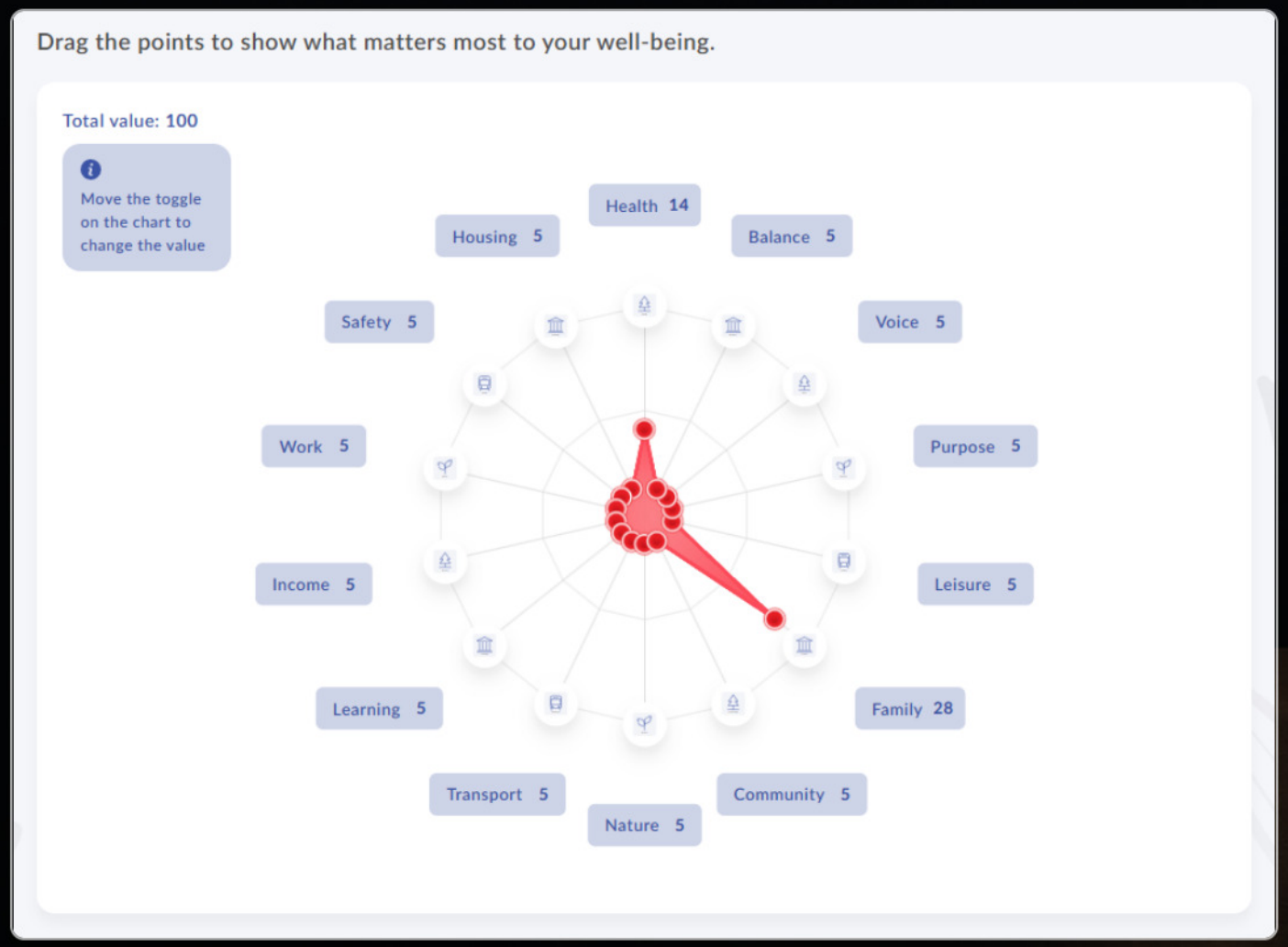
The chosen position becomes a structured response.

Value and slider variants

Configure the control to fit the question.

PRIORITIES PEOPLE CAN SHAPE

An interactive radar lets participants adjust the relative importance of well-being domains.



D3.JS INTERACTION

Move a point. Redistribute priorities.

Health, family, housing and other domains remain visible within the same response.

Visual input, structured data

RATINGS ACROSS MULTIPLE LIFE DOMAINS

NUMERIC SCALE TABLE

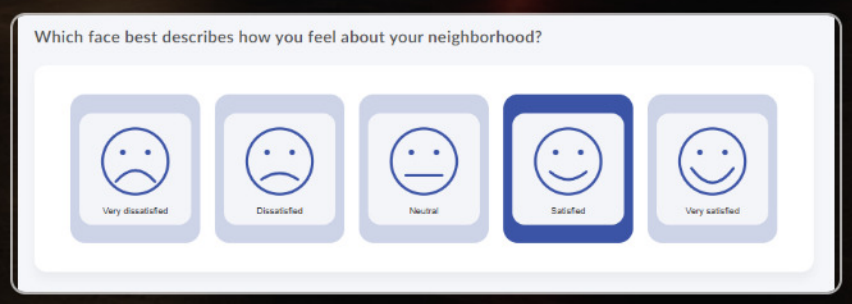


Consistent scales across related questions

SERVICE-RATING MATRIX



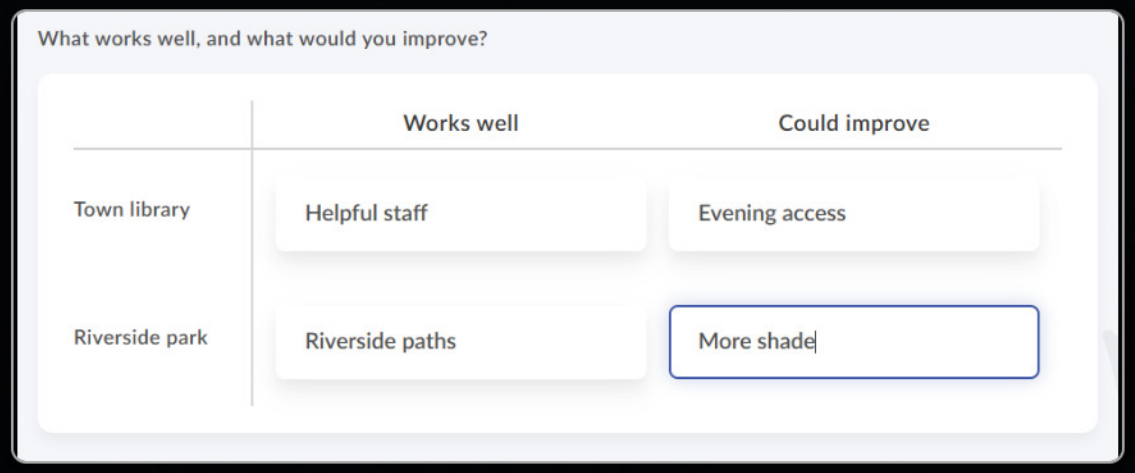
Illustrated ratings add another way to express a response.



STRUCTURED DETAIL BEYOND RATING SCALES

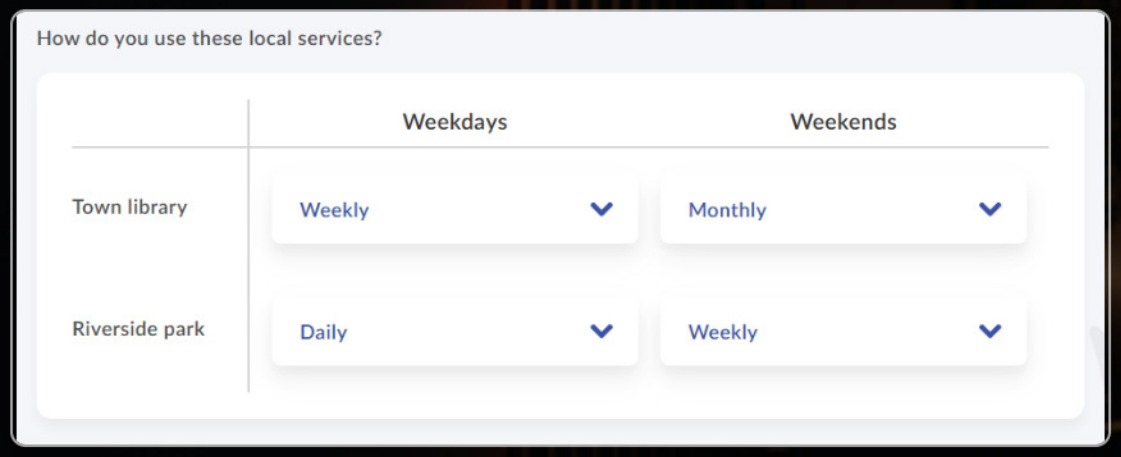
Collect open feedback and consistent selections within the same questionnaire.

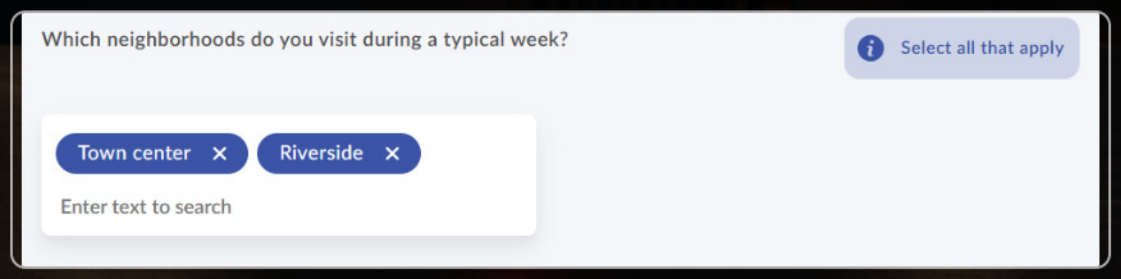
TEXT FEEDBACK TABLE



Open responses retain their question and row context.

DROPDOWN TABLE

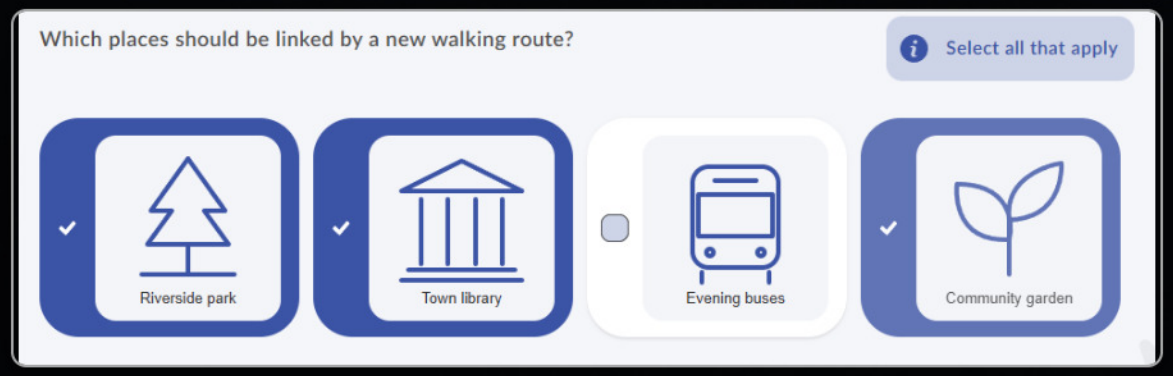




Searchable choices and multiple selections

VISUAL CHOICES AND MEDIA EXPLORATION

IMAGE-BASED MULTIPLE CHOICE



Answer through familiar places

Image options support single or multiple selections. Hierarchical video choices let participants explore a category before choosing an activity.

HIERARCHICAL VIDEO SELECTION



CALCULATIONS INSIDE THE QUESTIONNAIRE

Numeric tables calculate row totals while participants enter their answers.



6 + 5.5 = 11.5

hours of community volunteering

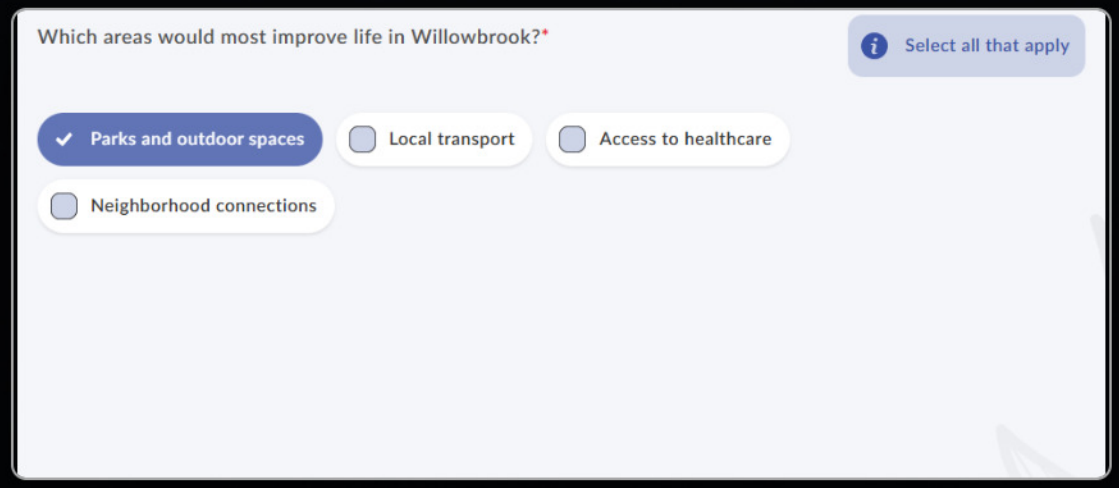
2 + 3 = 5

hours helping neighbors

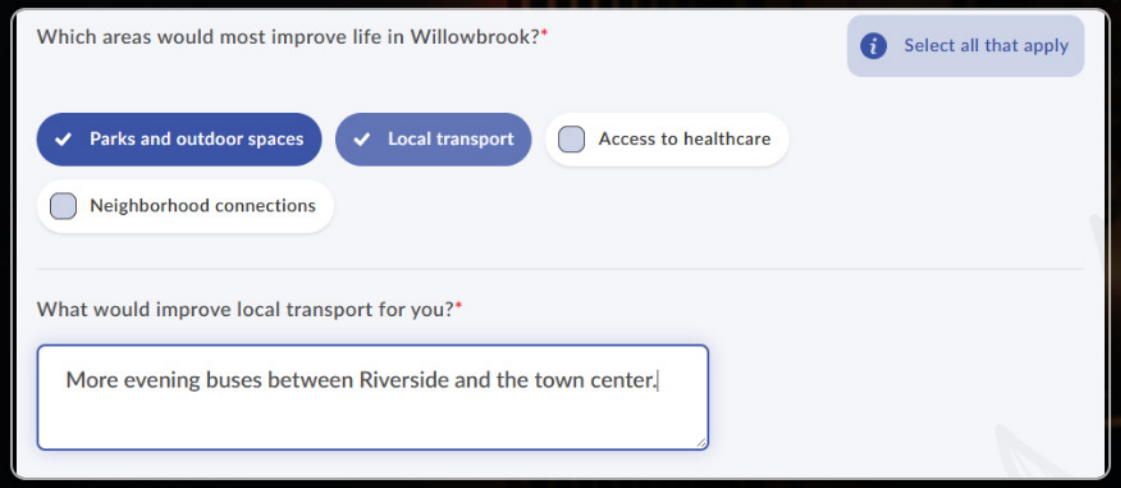
FOLLOW-UP QUESTIONS RESPOND TO THE ANSWER

Selecting local transport reveals a relevant follow-up in the same survey.

BEFORE THE TRANSPORT CHOICE



AFTER THE TRANSPORT CHOICE



Choice includes local transport

Questionnaire-specific condition

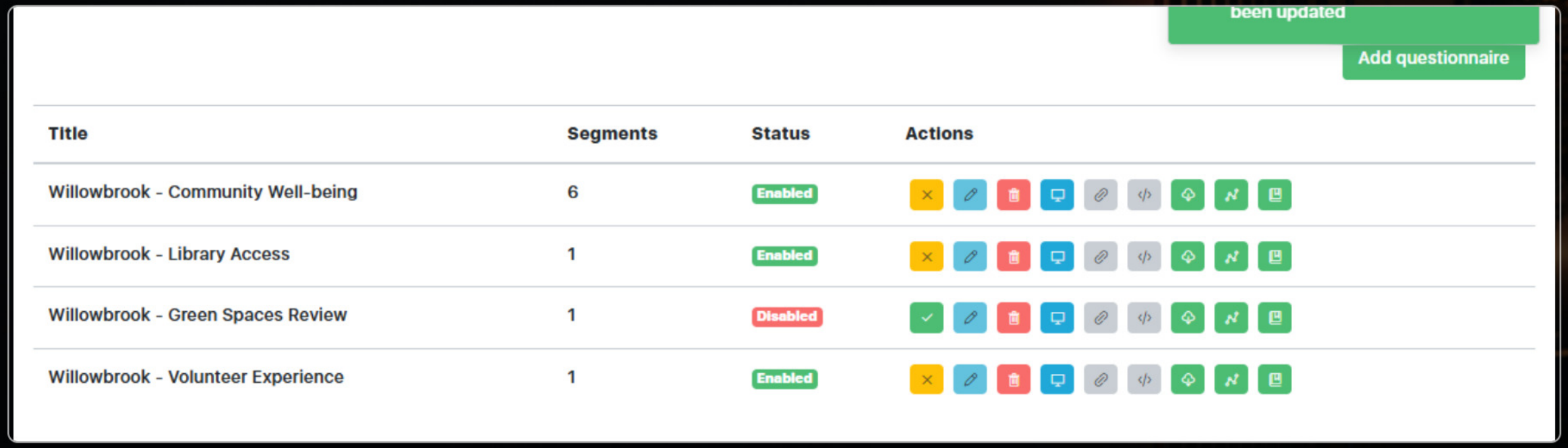
→

Show the transport follow-up

Capture the detail behind the selection

A PUBLIC LINK FOR EVERY QUESTIONNAIRE

The administration workspace connects authoring and publication to public participation.



Author → **Enable** → **Public link** → **Participate**

Configure the questionnaire

Control availability

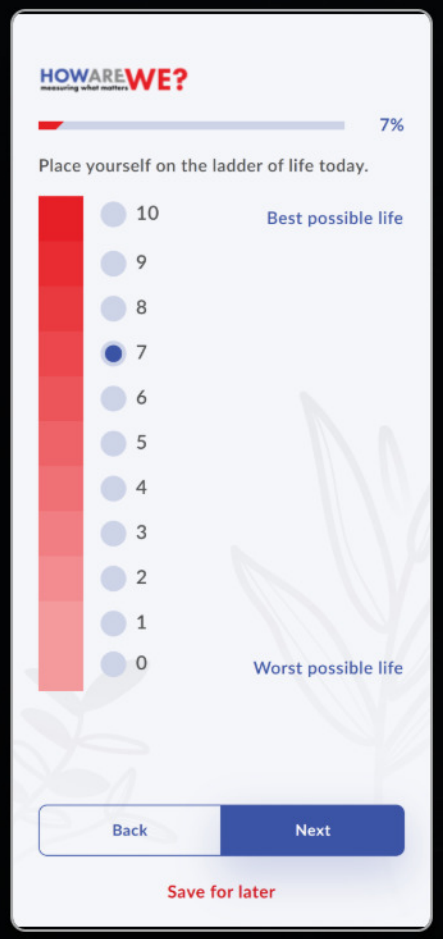
Share the survey

Collect responses

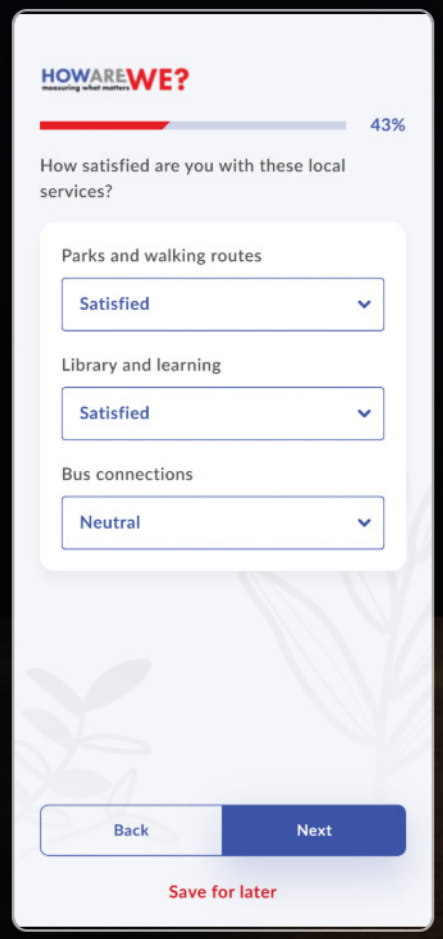
CONTROLS ADAPTED TO THE SCREEN

Mobile layouts preserve the question while adapting the interaction.

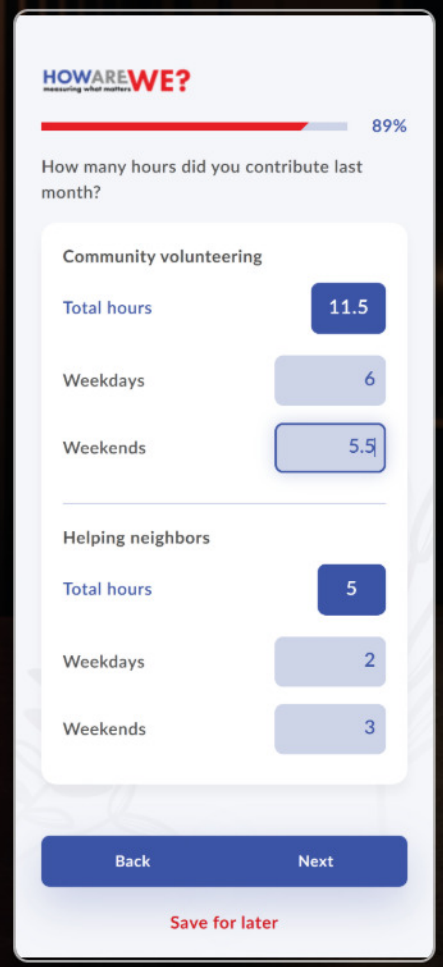
Vertical life scale



Labeled rating rows



Stacked numeric inputs



SAVED PARTICIPATION, READY TO CONTINUE

Participants resume through a continuation link with their previous answers retained.

SAVE FOR LATER



CONTINUE WITH ANSWERS RESTORED



A return path for longer questionnaires

Save progress → **Continuation link** → **Resume response**

HOWAREWE? measuring what matters

NATIVE CSV EXPORTS

STRUCTURED DATA FOR ANALYSIS

Three CSV exports connect the questionnaire to downstream research work.

ANSWERS

Response values and completion metadata in a response matrix.

TIMING STATISTICS

Total participation time and per-question timings.

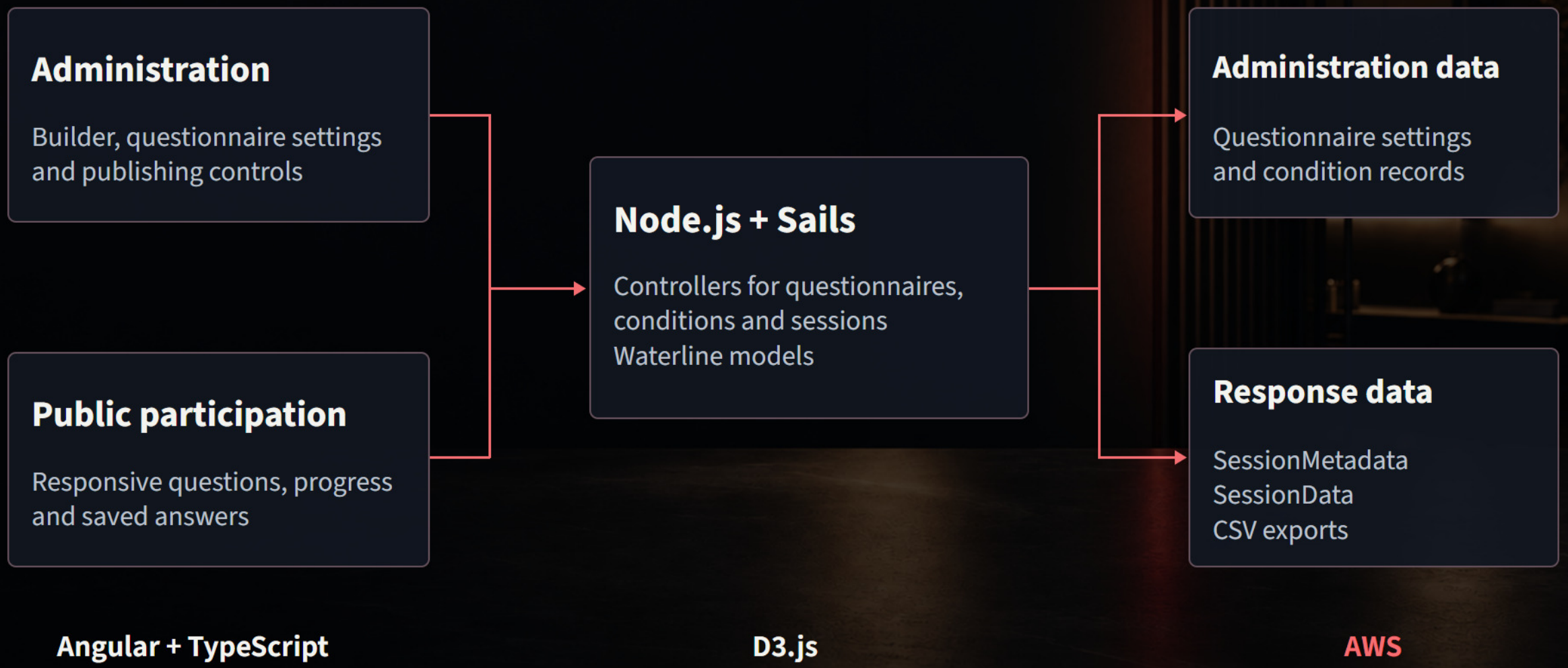
DICTIONARY

Question IDs, labels and option definitions.

Response field	Exported value
Complete	TRUE
ladder	7
number_table – volunteer – Total	11.5

SEPARATE AUTHORING AND PARTICIPATION FLOWS

An Angular application connects guarded administration and public survey routes to backend services.



CONFIGURATION DRIVES THE SURVEY EXPERIENCE

The application turns questionnaire structure and answer-dependent rules into a public survey.

Questionnaire configuration

JSON segments, elements and question settings

Condition records

Questionnaire-scoped rules for follow-up behavior

Survey runtime

Render the configured controls.
Apply relevant question conditions.
Store responses and participation state.

One configurable application supports many research instruments.

HOWAREWE? measuring what matters

PERSONAL CONTRIBUTION

END-TO-END SOFTWARE DELIVERY

Emilian Manolache

Software Architect & Full-Stack Developer

2021–2022

Questionnaire builder

Configurable authoring and rich controls

Conditional survey logic

Answer-dependent questions and calculations

Saved participation

Progress, continuation and response storage

Research-ready exports

Answers, completion data and timing metadata