



## Decision Rules

Manage complex business logic with zero coding.

Decision tables make it easy to write and visualize business rules. In traditional software development, creating a decision table would require hundreds of lines of code. Building a decision in Appian requires no coding whatsoever.

Based on the open Decision Model and Notation (DMN) standard, Decisions are walk-up usable for anyone familiar with using decision tables.

Designers create decisions by writing a series of if-this-then-that statements for every column of the table. Each row can have multiple incoming conditions as well as result in multiple outputs. A decision's hit policy can also be configured, letting you decide whether results should be unique or not.

### Key features.

- Familiar DMN Standard
- Built-in Design Guidance
- Available Everywhere
- Replaces Complex Logic in Code
- Robust Output and Evaluation Capabilities

Donation	SeasonTicketYears	DonationAmount	PriorityGroup
yes	>	10000	1
yes	any	10000	1
no	betw...	5	10
no	<	5	any
yes	>	10	betw...
yes	betw...	5	10
yes	<	5	betw...
yes	>	10	<
yes	betw...	5	10
yes	=	5	5000
yes	=	10	5000
yes	=	10	10000
no	any	any	2
yes	any	>	10000
yes	any	<	10000
no	any	any	10

### Test Inputs

Altmet: yes

SeasonTicketHolder: yes

Donation: no

SeasonTicketYears: 0

DonationAmount: 500

Set as default test values

TEST

### Test Output

Type: Number (Integer)

Value: 2 (Number (Integer))

Appian is the only recognized triple crown leader in automation, low-code, and case management.

## Replaces complex code.

Decision tables contain complex business logic. It can take hundreds of lines of traditional code to achieve the same results as a decision table. Logical statements are clearly represented as individual rows. Each row will contain a number of conditional inputs. If those conditions are met, it will trigger that row's outputs.

## Available everywhere.

Decisions are treated just like any other object in Appian. That means you can use decisions pretty much anywhere. For example, Decisions can be used in process model to create dynamic process flows or targeted task assignments as well as in interfaces to create a custom UI based on the user's role.

## Built-in design guidance.

When decision tables get really large, sometimes it's difficult to see how rows relate to each other and whether there is conflicting logic or gaps in coverage. Don't panic! Appian's got you covered with built-in validations and design recommendations.

## Enterprise grade.

These aren't your run of the mill decision tables—they can perform some serious work. Decisions can trigger certain primitive data outputs such as setting a flag, providing a value for a calculation, or setting a deadline. But a Decision can also be used for more powerful behaviors, such as starting separate processes dynamically, assigning a tasks to different workers, or selecting the right document from our built-in content management system.

And the most seasoned developers will appreciate robust DevOps features such as: real-time performance monitoring, version control, market leading security certifications ([trust.appian.com](https://trust.appian.com)), concurrent design detection, continuous deployment support, and powerful built-in debugging tools.

And Decisions have a lot more features to improve the rest of the design experience. Real-time performance monitoring, version history, robust security, and concurrent design detection let Designers see important details about a Decision and ensure that it functions within an enterprise-class application.

With all these available features, do you still want to code a decision table?

## The Appian low-code library.

Appian's low-code library is designed to help you understand what makes Appian tick. See what makes Appian low-code, and what makes our applications capable of meeting the most demanding enterprise use cases. You can see all this in action and try it out for yourself by enrolling in a free trial:

[appian.com/platform/free-trial](https://appian.com/platform/free-trial)