



Exercise: Create an Interactive Date of Birth Form

3 min to complete · By Brandon Gigous

Contents

- Introduction
- DateField
- View Function
- Template
- Flash a Message
- Have Fun!

At this point, you have become familiar with defining, rendering, and adapting your view functions to forms and fields. To practice making more forms, you will create a new route that displays a form asking for date of birth. Upon submitting the form, you will flash a message to display their [Zodiac sign](#) (Libra, Cancer, etc) or [Chinese Zodiac animal](#) (Rat, Ox, etc).

DateField

To accomplish this, you will use a `wtforms.fields.DateField` field in your form. This field is just like `StringField` in that it accepts a label. You will need to make sure your user can't submit the form without putting in a date.

View Function

As you learned, you'll need a view function to create your form instance. Call your view function `zodiac` and make it a handler for the route `'/zodiac'` . Whenever the form is successfully validated, redirect the browser to the index page `'/'` .

Template

Make a new template called `zodiac.html` and make it inherit from the base template `base.html`. Render your new form here. You shouldn't need anything else except the form, but feel free to be creative!

Flash a Message

Once the user submits the form, have the webapp flash a message that displays what their Zodiac sign or Chinese Zodiac animal is. This will involve working with some `datetime.date`s, but it should be a simple calculation otherwise. If you have trouble with the `datetime` library and need help, you can ask a question on [Discord](#) or ask your mentor for help.

Have Fun!

Most of all, have fun with it! People learn best when they have fun with whatever it is they are doing, so don't be afraid to deviate from these guidelines.

Don't spend too much time on it though, because you'll be diving into databases in the next section. Forms tie into databases because they can keep track of what data users give via forms!

Mentorship Makes the Difference!

You don't have to learn alone. Join the CodingNomads' 1-on-1 Mentorship Program and get:

- A team of mentors and advisors dedicated to your success
- Weekly 1-on-1 screen share meetings with your personal, professional mentor
- Constant, personal, in-depth support 7 days a week via Discord
- Accountability, feedback, encouragement, and success