

Week 4: Build Web apps with Flask: (Forms & Theming)

In this guide, we'll learn:

- CSS Frontend Frameworks
- Adding Bulma to the project
- Navbar and Logo
- Adding Custom CSS
- Flask Forms
- Forms for summary Model
- Form Validations

CSS Frameworks

- [Bootstrap](#)
- [materialize](#)
- [Bulma](#)
- [Foundation](#)
- [UIKit](#)
- [Tailwindcss](#) - UI Library

Adding Bulma to the project

Let's navigate into [Bulma Website](#), copy CDN Link `@import "https://cdn.jsdelivr.net/npm/bulma@0.9.1/css/bulma.min.css"` and add to `base.html` page between the `head` tag

```
<link rel="stylesheet" href
="https://cdn.jsdelivr.net/npm/bulma@0.9.1/css/bulma.min.css">
```

SVG Logo

```
<svg height="47" viewBox="0 0 272 57" fill="none" xmlns=
"http://www.w3.org/2000/svg">
  <path d="M80.66 17C84.04 17 86.74 17.73 88.76 19.19C90.8 20.65 91.82
22.91 91.82 25.97V29.03C91.82 32.15 90.81 34.43 88.79 35.87C86.79 37.29 84.08 38 80.66
38H71.09C70.87 38 70.68 37.92 70.52 37.76C70.36 37.6 70.28 37.41 70.28
37.19V17.81C70.28 17.59 70.36 17.4 70.52 17.24C70.68 17.08 70.87 17 71.09
17H80.66ZM80.81 32.15C81.75 32.15 82.49 31.93 83.03 31.49C83.59 31.03 83.87 30.39
83.87 29.57V25.43C83.87 24.61 83.59 23.98 83.03 23.54C82.49 23.08 81.75 22.85 80.81
```

22.85H78.08V32.15H80.81ZM116.228 17C116.448 17 116.638 17.08 116.798 17.24C116.958
 17.4 117.038 17.59 117.038 17.81V37.19C117.038 37.41 116.958 37.6 116.798
 37.76C116.638 37.92 116.448 38 116.228 38H110.048C109.828 38 109.638 37.92 109.478
 37.76C109.318 37.6 109.238 37.41 109.238 37.19V30.8H103.238V37.19C103.238 37.41
 103.158 37.6 102.998 37.76C102.838 37.92 102.648 38 102.428 38H96.2483C96.0283 38
 95.8383 37.93 95.6783 37.79C95.5183 37.63 95.4383 37.43 95.4383 37.19V17.81C95.4383
 17.59 95.5183 17.4 95.6783 17.24C95.8383 17.08 96.0283 17 96.2483 17H102.428C102.648
 17 102.838 17.08 102.998 17.24C103.158 17.4 103.238 17.59 103.238
 17.81V23.96H109.238V17.81C109.238 17.59 109.318 17.4 109.478 17.24C109.638 17.08
 109.828 17 110.048 17H116.228ZM127.407 36.98C127.147 37.66 126.697 38 126.057
 38H120.387C120.207 38 120.047 37.94 119.907 37.82C119.787 37.68 119.727 37.52 119.727
 37.34L119.757 37.16L126.297 17.99C126.377 17.73 126.527 17.5 126.747 17.3C126.967 17.1
 127.267 17 127.647 17H135.987C136.367 17 136.667 17.1 136.887 17.3C137.107 17.5
 137.257 17.73 137.337 17.99L143.877 37.16L143.907 37.34C143.907 37.52 143.837 37.68
 143.697 37.82C143.577 37.94 143.427 38 143.247 38H137.577C136.937 38 136.487 37.66
 136.227 36.98L135.477 34.88H128.157L127.407 36.98ZM131.817 22.79L129.687
 29.03H133.947L131.817 22.79ZM161.145 17.81C161.445 17.27 161.875 17 162.435
 17H167.925C168.145 17 168.335 17.08 168.495 17.24C168.655 17.4 168.735 17.59 168.735
 17.81V37.19C168.735 37.41 168.655 37.6 168.495 37.76C168.335 37.92 168.145 38 167.925
 38H162.495C162.275 38 162.085 37.92 161.925 37.76C161.765 37.6 161.685 37.41 161.685
 37.19V27.89L159.495 32.21C159.435 32.35 159.295 32.51 159.075 32.69C158.855 32.87
 158.575 32.96 158.235 32.96H156.195C155.855 32.96 155.575 32.87 155.355 32.69C155.135
 32.51 154.995 32.35 154.935 32.21L152.745 27.89V37.19C152.745 37.41 152.665 37.6
 152.505 37.76C152.345 37.92 152.155 38 151.935 38H146.505C146.285 38 146.095 37.92
 145.935 37.76C145.775 37.6 145.695 37.41 145.695 37.19V17.81C145.695 17.59 145.775
 17.4 145.935 17.24C146.095 17.08 146.285 17 146.505 17H151.995C152.555 17 152.985
 17.27 153.285 17.81L157.215 25.01L161.145 17.81ZM191.283 27.05C192.063 27.29 192.733
 27.82 193.293 28.64C193.853 29.44 194.133 30.36 194.133 31.4C194.133 33.62 193.413
 35.28 191.973 36.38C190.533 37.46 188.433 38 185.673 38H173.313C173.093 38 172.903
 37.92 172.743 37.76C172.583 37.6 172.503 37.41 172.503 37.19V17.81C172.503 17.59
 172.583 17.4 172.743 17.24C172.903 17.08 173.093 17 173.313 17H185.373C188.213 17
 190.303 17.52 191.643 18.56C193.003 19.58 193.683 21.13 193.683 23.21V23.3C193.683
 24.26 193.423 25.08 192.903 25.76C192.383 26.44 191.843 26.87 191.283 27.05ZM185.553
 23.48C185.553 23.12 185.443 22.81 185.223 22.55C185.023 22.29 184.723 22.16 184.323
 22.16H180.303V24.89H184.323C184.723 24.89 185.023 24.75 185.223 24.47C185.443 24.17
 185.553 23.84 185.553 23.48ZM184.653 32.84C185.113 32.84 185.453 32.69 185.673
 32.39C185.913 32.07 186.033 31.72 186.033 31.34V31.31C186.033 30.93 185.903 30.6
 185.643 30.32C185.403 30.04 185.073 29.9 184.653 29.9H180.303V32.84H184.653ZM203.871
 36.98C203.611 37.66 203.161 38 202.521 38H196.851C196.671 38 196.511 37.94 196.371
 37.82C196.251 37.68 196.191 37.52 196.191 37.34L196.221 37.16L202.761 17.99C202.841
 17.73 202.991 17.5 203.211 17.3C203.431 17.1 203.731 17 204.111 17H212.451C212.831 17
 213.131 17.1 213.351 17.3C213.571 17.5 213.721 17.73 213.801 17.99L220.341
 37.16L220.371 37.34C220.371 37.52 220.301 37.68 220.161 37.82C220.041 37.94 219.891 38
 219.711 38H214.041C213.401 38 212.951 37.66 212.691 36.98L211.941
 34.88H204.621L203.871 36.98ZM208.281 22.79L206.151 29.03H210.411L208.281 22.79ZM229.36
 36.98C229.1 37.66 228.65 38 228.01 38H222.34C222.16 38 222 37.94 221.86 37.82C221.74
 37.68 221.68 37.52 221.68 37.34L221.71 37.16L228.25 17.99C228.33 17.73 228.48 17.5
 228.7 17.3C228.92 17.1 229.22 17 229.6 17H237.94C238.32 17 238.62 17.1 238.84
 17.3C239.06 17.5 239.21 17.73 239.29 17.99L245.83 37.16L245.86 37.34C245.86 37.52
 245.79 37.68 245.65 37.82C245.53 37.94 245.38 38 245.2 38H239.53C238.89 38 238.44
 37.66 238.18 36.98L237.43 34.88H230.11L229.36 36.98ZM233.77 22.79L231.64

```

29.03H235.9L233.77 22.79ZM268.948 31.85C269.168 31.85 269.358 31.93 269.518
32.09C269.678 32.25 269.758 32.44 269.758 32.66V37.19C269.758 37.41 269.678 37.6
269.518 37.76C269.358 37.92 269.168 38 268.948 38H251.428C251.208 38 251.018 37.92
250.858 37.76C250.698 37.6 250.618 37.41 250.618 37.19V17.81C250.618 17.59 250.698
17.4 250.858 17.24C251.018 17.08 251.208 17 251.428 17H257.908C258.128 17 258.318
17.08 258.478 17.24C258.638 17.4 258.718 17.59 258.718 17.81V31.85H268.948Z" fill
="#130B76"/>
    <circle cx="28.5" cy="28.5" r="27.5" fill="white" stroke="#130B76"
stroke-width="2"/>
    <path d="M28.26 40H19.65C19.41 40 19.29 39.88 19.29 39.64V38.11C19.29
37.87 19.41 37.75 19.65 37.75H21.96V20.71H19.65C19.41 20.71 19.29 20.59 19.29
20.35V18.82C19.29 18.58 19.41 18.46 19.65 18.46H27.75C31.07 18.46 33.71 19.42 35.67
21.34C37.63 23.24 38.61 25.86 38.61 29.2C38.61 32.54 37.68 35.18 35.82 37.12C33.96
39.04 31.44 40 28.26 40ZM24.57 37.75H27.54C33.1 37.71 35.88 34.88 35.88 29.26C35.88
26.56 35.16 24.46 33.72 22.96C32.3 21.46 30.21 20.71 27.45 20.71H24.57V37.75Z" fill
="#130B76"/>
</svg>

```

Flask Forms



`pipenv install Flask-WTF`