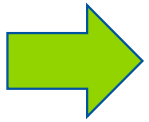
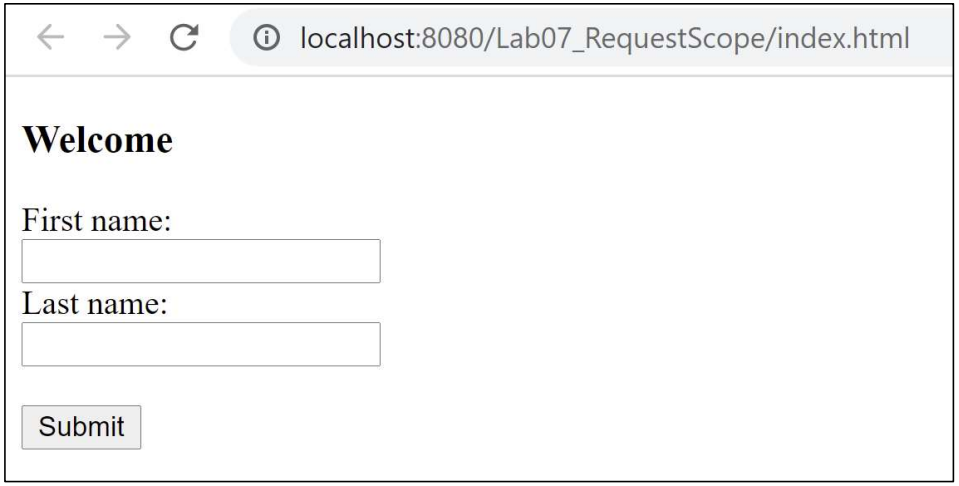
Lab 7 – Request Scope

- **Import the Lab07_RequestScope_STARTER project**
- **Rename the project to "Lab07_RequestScope"**
- **Examine the index.html file under WebContent**
  - Note the method (POST) and the action (welcome)

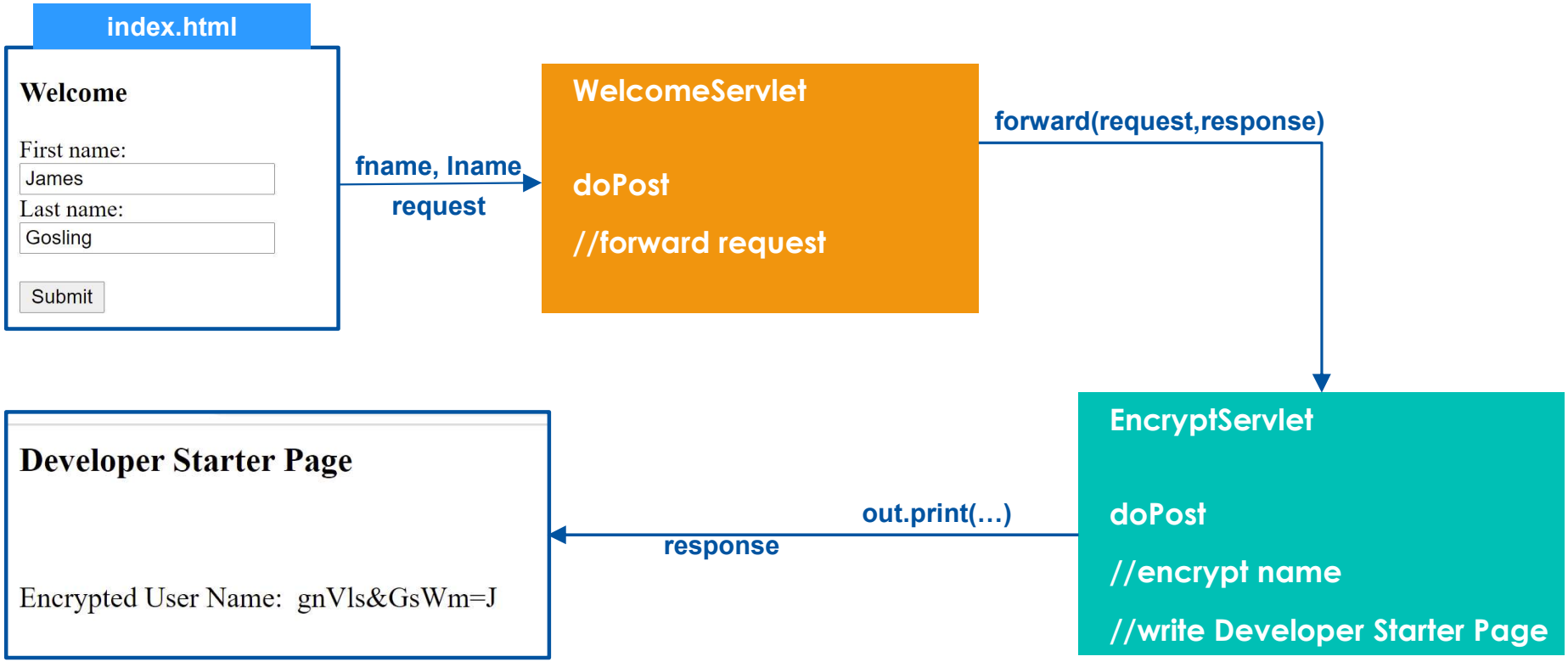
```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <meta charset="ISO-8859-1">
5  <title>Insert title here</title>
6  </head>
7  <body>
8  <h3>Welcome</h3>
9      <form method="post" action="welcome">
10   <label for="fname">First name:</label><br>
11   <input type="text" id="fname" name="fname"><br>
12   <label for="lname">Last name:</label><br>
13   <input type="text" id="lname" name="lname"><br><br>
14   <input type="submit" value="Submit">
15 </form>
16
17 </body>
18 </html>
```





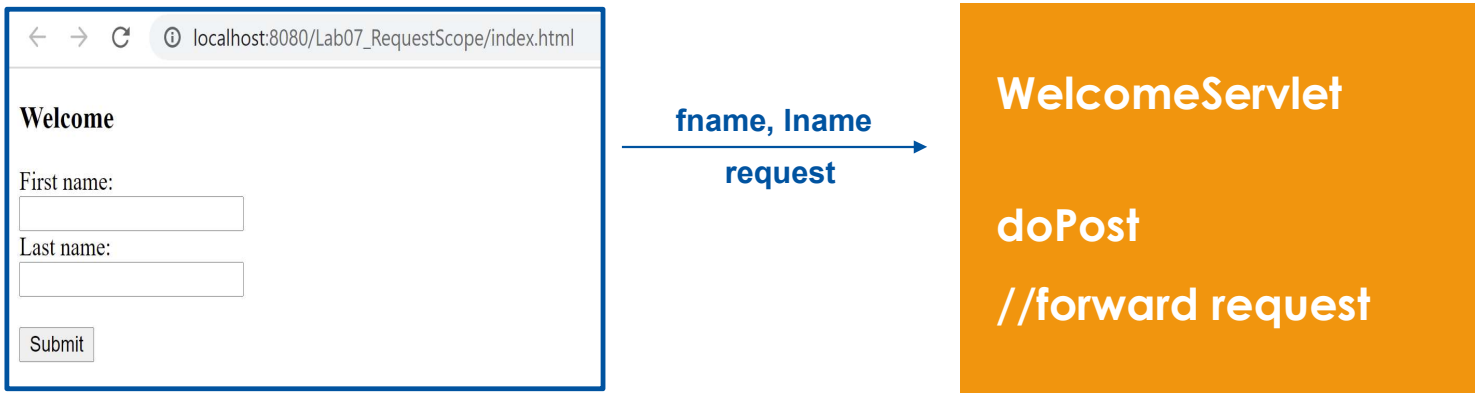
Lab 7 – Request Scope

- Lab Overview
  - index.html is provided



Lab 7 – Request Scope

- **Create a servlet named com.servlet.example.WelcomeServlet**
  - Make sure you map it to /welcome
- **In the WelcomeServlet doPost method we are going to forward to EncryptServlet, which we'll write next**
  - Get a RequestDispatcher
  - Forward to /encrypt



Lab 7 – Request Scope

- **Create another servlet named com.servlet.example.Encrypt**
  - Set the mapping to /encrypt
  - Override doPost to accomplish the following
    - Get the first and last name from the request, combine them, and then reverse the string
      - Example: Ed Lance = ecnaLdE
    - Replace any vowels with *random* ascii charcters between 35-95
      - Use the provided table or see https://www.alpharithms.com/ascii-table-512119/
      - Note that the encrypted name will vary due to random characters replacing vowels

Your code will replace each vowel, with one of the ascii values from 35-95

ecnaLde

Encrypted User Name: #cn5LdG

dec	hex	oct	char	dec	hex	oct	char
32	20	040	space	64	40	100	@
33	21	041	!	65	41	101	A
34	22	042	"	66	42	102	B
35	23	043	#	67	43	103	C
36	24	044	$	68	44	104	D
37	25	045	%	69	45	105	E
38	26	046	&	70	46	106	F
39	27	047	'	71	47	107	G
40	28	050	(	72	48	110	H
41	29	051	)	73	49	111	I
42	2a	052	*	74	4a	112	J
43	2b	053	+	75	4b	113	K
44	2c	054	,	76	4c	114	L
45	2d	055	-	77	4d	115	M
46	2e	056	.	78	4e	116	N
47	2f	057	/	79	4f	117	O
48	30	060	0	80	50	120	P
49	31	061	1	81	51	121	Q
50	32	062	2	82	52	122	R
51	33	063	3	83	53	123	S
52	34	064	4	84	54	124	T
53	35	065	5	85	55	125	U
54	36	066	6	86	56	126	V
55	37	067	7	87	57	127	W
56	38	070	8	88	58	130	X
57	39	071	9	89	59	131	Y
58	3a	072	:	90	5a	132	Z
59	3b	073	;	91	5b	133	[
60	3c	074	<	92	5c	134	\
61	3d	075	=	93	5d	135	]
62	3e	076	>	94	5e	136	^
63	3f	077	?	95	5f	137	_

Lab 7 – Request Scope

- After you've encrypted the name, write a "Developer Starter Page" out that displays the value