

## Section 5: React Essentials - Practice Project

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### React Essentials - Practice Project

Apply Your Knowledge & Practice What You Learned

- ▶ Build an “Investment Calculator” Web App
- ▶ Build, Configure & Combine **Components**
- ▶ Manage Application **State**
- ▶ Output **List** & **Conditional** Content



#### Investment Calculator

INITIAL INVESTMENT	ANNUAL INVESTMENT
<input type="text" value="15000"/>	<input type="text" value="900"/> 
EXPECTED RETURN	DURATION
<input type="text" value="6"/>	<input type="text" value="10"/>

Year	Investment Value	Interest (Year)	Total Interest	Invested Capital
1	\$16,800	\$900	\$900	\$15,900
2	\$18,708	\$1,008	\$1,908	\$16,800
3	\$20,730	\$1,122	\$3,030	\$17,700
4	\$22,874	\$1,244	\$4,274	\$18,600
5	\$25,147	\$1,372	\$5,647	\$19,500
6	\$27,556	\$1,509	\$7,156	\$20,400
7	\$30,109	\$1,653	\$8,809	\$21,300
8	\$32,815	\$1,807	\$10,615	\$22,200



## Your Task

### Build an “Investment Calculator” web app

Use the **starting project** attached to this lecture

Add **components** for displaying a **header**, fetching **user input** & outputting the **results table**

Fetch & store user input (i.e., the entered investment parameters)

**Derive investment results** with help of the provided utility function (in the starting project)

**Display** investment results in a HTML **table** (use `<table>`, `<thead>`, `<tbody>`, `<tr>`, `<th>`, `<td>`)

**Conditionally** display an info message if an **invalid duration** ( $< 1$ ) was entered