

Part I

Introduction

Chapter 1

Introduction

The *TourofHeroes* tutorial covers the fundamentals of Angular. In this tutorial we will build an app that helps a staffing agency manage its stable of heroes.

This basic app has many of the features we'd expect to find a data-driven application. It acquires and displays a list of heroes, edits a select hero's detail, and navigates among different views of heroic data.

By the end of the tutorial we will be able to do the following:

- Use built-in Angular directives to show and hide elements and display lists of hero data.
- Create Angular components to display hero details and show an array of heroes
- Use one-way data binding for read-only data
- Add editable fields to update a model with two-way data binding
- Bind component methods to user events, like keystrokes and clicks
- Enable users to select a hero from a master list and edit that hero in the details view
- Format data with pipes
- Create a shared service to assemble the heroes
- Use routing to navigate among different views and their components.

Part II

The Application Shell

Chapter 2

The Application Shell

2.1 Install the Angular CLI

In your command line, after installing node.js and getting npm updated (see its website), install Angular by using the following command:

```
npm install -g @angular/cli
```

2.2 Create a new application

Create a new project named angular-tour-of-heroes with the following CLI command, in the folder in which you want to create the app directory:

```
ng new angular-tour-of-heroes
```