Adding Routing to an Angular App

Routing is a fundamental concept in Angular applications, allowing you to navigate between different views or components within your app. Here's a step-by-step guide on how to set up routing:

1. Generate a Routing Module:

- Use the Angular CLI in GitBash to create a routing module:

```
ng generate module app-routing
```

2. Import Necessary Modules:

- In your **app-routing.module.ts** file, import the **RouterModule** and Routes from **@angular/router**.

3. Define Routes:

- Create an array of Routes to configure your routes. Each route consists of a path and a component:

```
import { Routes, RouterModule } from '@angular/router';

const routes: Routes = [
  { path: '', component: HomeComponent }, // Default route
  { path: 'about', component: AboutComponent },
  { path: 'contact', component: ContactComponent
 }
];
```

4. Import and Configure the RouterModule:

- Import the **RouterModule** in your **AppModule** and add it to the imports array:

```
import { RouterModule } from '@angular/router';

@NgModule({
  // ...
  imports: [
    RouterModule.forRoot(routes),
    // ...
  ],
  // ...
})
export class AppModule { }
```

5. Add Router Outlet:

- In your **`app.component.html`** template, add a **`router-outlet`** directive to display the active component:

```html
<router-outlet></router-outlet>
```

6. Add Navigation Links:

- Use the **`routerLink`** directive to create navigation links in your templates:

```html
<nav>
  <a routerLink="/">Home</a>
  <a routerLink="/about">About</a>
  <a routerLink="/contact">Contact</a>
</nav>
```