**Is the input valid?**

**NO**

**Yes**

Redirect to “/shortUrls”

Generate a shorter link and add both links to database both with a unique ID

**User clicks the shorter link?**

**No**

**No changes to the Link stats all Links**

**Yes**

**Redirect to the full Link and increment the stats for clicks by 1**

**Link Expired?**

**Yes No**

**Delete Link**