Ignore certain properties in an interface while creating an object in typescript?



I have interface defined with some properties. I want to create an object from this interface, however while creating I don't want to fully initialize all the properties mentioned in the interface. I just want to initialize few. How can I achieve that? Thank you.





```
export interface Campaign {
  id: string;
 name: string;
  createdOn: string;
 lastUpdated: string;
  createdBy: User;
 type: CampaignType;
  status: CampaignStatus;
  startDate: string;
  endDate: string;
  budget: number;
  description: string;
  account: Account;
```

i want to create an array of campaign objects, this is what i am trying to do.

```
let campaigns: Campaign[] = [
   { id:"1",
       name: "test campaign"
  ];
```

however i get the following error.

Type '{ id: string; name: string; }' is missing the following properties from type 'Campaign': createdOn, lastUpdated, createdBy, type, and 6 more.ts(2740)

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But why? If an object implements interface X then I'm expecting it to have all properties and methods defined by interface X. Why else would I use an interface at all? – Andreas Apr 16 at 11:16

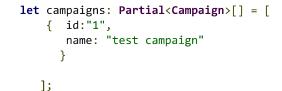
this is just for testing . - prasanth Apr 16 at 11:23

3 Answers



you can use Partial -





answered Apr 16 at 11:16



Naor Talmor

this is what i was looking for thank you so much - prasanth Apr 16 at 11:37



if you make the optional properties nullable it should work.



example:



```
type User = {
  firstName: string;
```

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```
// ... or we can explicitly assign the value undefined
let jane: User = { firstName: "Jane", lastName: undefined };

// ... or we can not define the property at all
let jake: User = { firstName: "Jake" };
```

answered Apr 16 at 11:13



Zdravko Danev 10.6k 1 26 44



You could mark the properties that you don't want to set a value on creation as optional by doing { propName?: propType }

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or if want to mark all the properties to be optional, you could use Partial



```
Partial<{
  prop1: string,
  prop2: number,
}>
```

answered Apr 16 at 11:18



Rannie Aguilar Peralta 632 3 12

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