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REPORT ON DO-LIST WEB APPLICATION

SUBMITTED BY:

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PROJECT OBJECTIVE:

The project objective is to create a user friendly do-list web application so that the user can add the do-list items and can also delete that items.

INTRODUCTION:

An dolist web application that permits the user to add do-list items what the user wants and also can delete the item whenever the user wants.The project is completed developed using HTML,CSS,MongoDB(for database) and Nodejs.

The user can add whatever the custom lists he/she wants which is managed by using express route parameters.

Every person before the start of his/her day wishes to list all the plans wanted to do in day or coming week or anyday.After the completion of that particular work person erases that thing in the list.In the similar way our do-list web app works where every user can create custom lists on any name wanted(like house plan,college plan,study plan for today) and that particular schema is stored in bankend on that name.Now the user is able to add the items want the user wants.User can type the item that he/she wants to add and then press the button that is provided ,then the item is added to the list and also stored in backend.And moreover after the completion of that tasks user can delete the item from the list by simply clicking on the checkbox of that particular item ,then that item is deleted from the list and also from the database.

In these way user can create any custom lists wanted and can store the do-list items and can delete it.

TECHNOLOGIES USED:

- **Html**
- **CSS**
- **MongoDB**
- **NodeJS**
- **EJS**

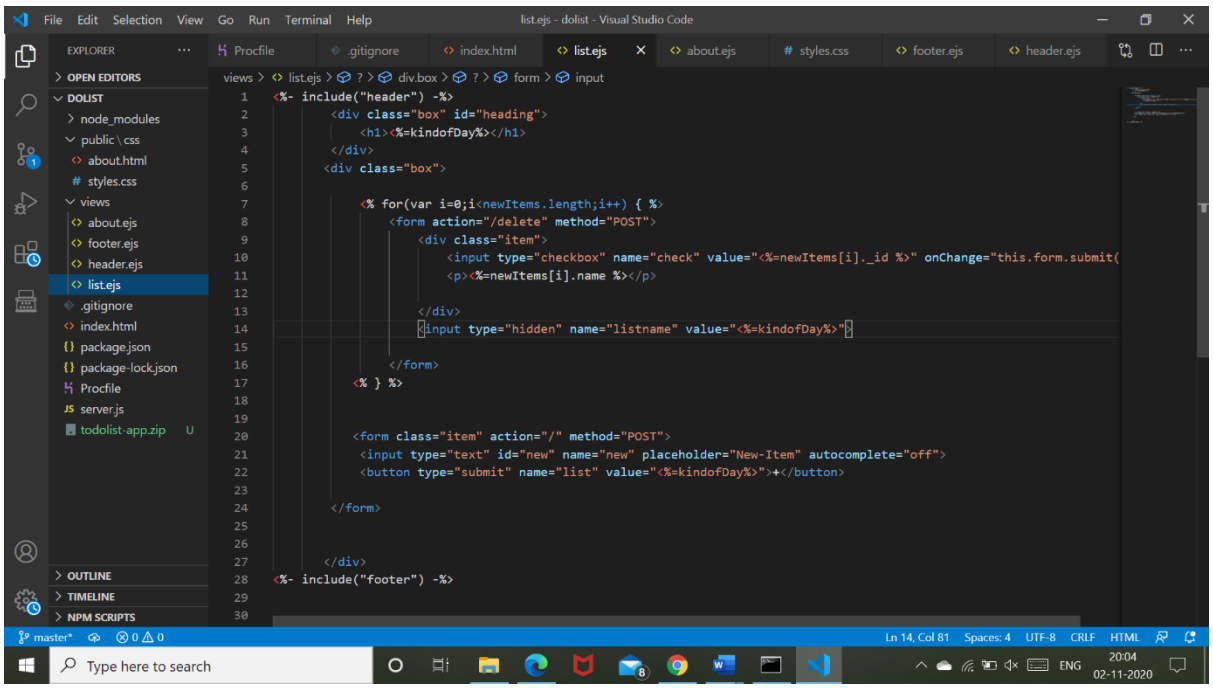
HARDWARE COMPONENTS:

- **Processor –Core i3**
- **Hard Disk – 160 GB**
- **Memory – 1GB RAM**
- **Monitor**

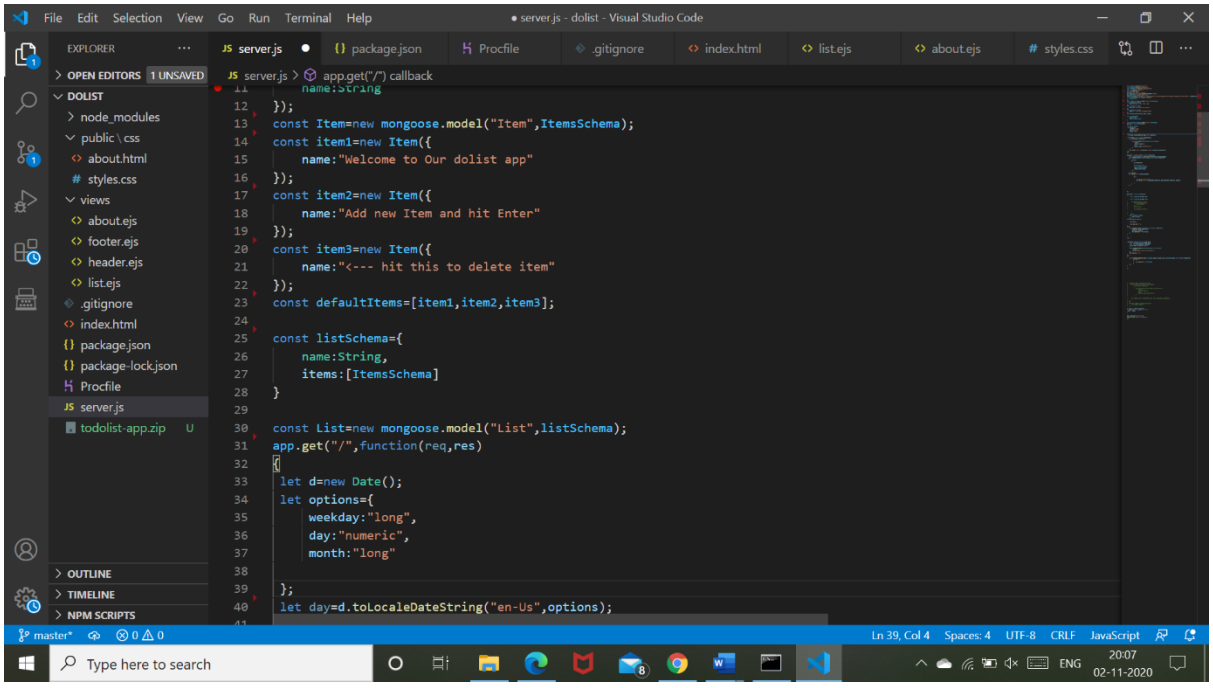
Github link:

https://github.com/saiprasad0090/do-list-web-app

Html and ejs code of project:



Defining schema of project:



Code for displaying items in list:

```
Item.find({},function(err,foundItems){
    if(foundItems.length==0)
    {
       Item.insertMany(defaultItems,function(err){
           if(err)
           console.log(err);
           else
           console.log("successfull");
       })
    }
   res.render("list",{kindofDay:"today",newItems:foundItems});
});
});
```

Code for creating custom lists:

```
app.get("/:customListName",function(req,res){
  const customListName=_.capitalize(req.params.customListName);
  List.findOne({name:customListName},function(err,foundlist)
  {
     if(!err)
     {
        if(!foundlist)
        {
        //create new list
        const list=new List({
         name:customListName,
         items:defaultItems
     });

  list.save();
  res.redirect("/"+customListName);
        }
        else
        {
           //show an existing list
           res.render("list",{kindofDay:foundlist.name,newItems:foundlist.items});

        }
     }
  })
```

Code for adding an item to list:

```
app.post("/",function(req,res)
{
    const itemname=req.body.new;

    const listname=req.body.list;
   const item=new Item({
       name:itemname
   });
if(listname==="today"){

   item.save();

    res.redirect("/");
}
else{
   List.findOne({name:listname},function(err,foundlist){
       foundlist.items.push(item);
       foundlist.save();
       res.redirect("/"+listname);
   })
}

});
```

Code for deleting an item in list:

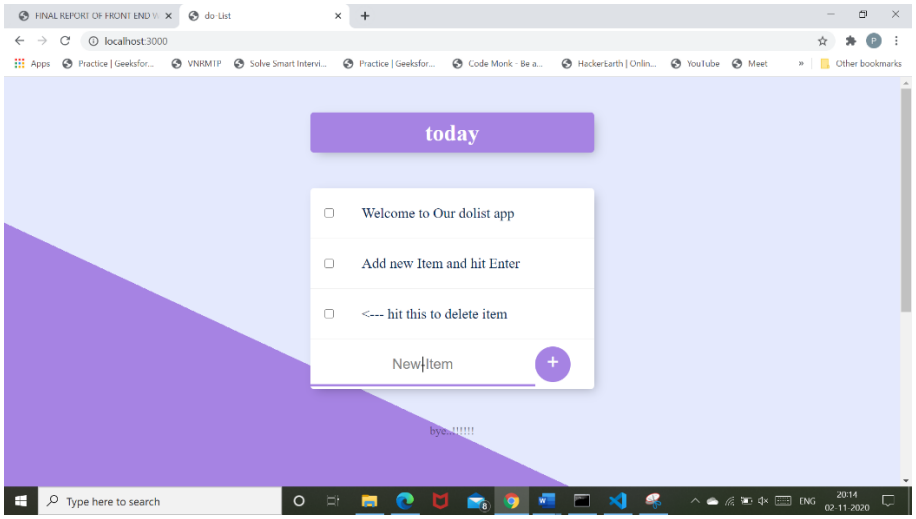
```
app.post("/delete",function(req,res){
   const checkedItemId=req.body.check;
   const listname=req.body.listname;
   if(req.body.listname=="today")
   {
   Item.findByIdAndRemove(checkedItemId,function(err){
       if(!err)
       console.log("succesfully deleted");
   });
   res.redirect("/");
}
else
{
   List.findOneAndUpdate({name:listname},{$pull:{items:{_id:checkedItemId}}},function(err,foundlist){
        if(!err)
        {
            res.redirect("/"+listname);
        }
   });
}

});
```

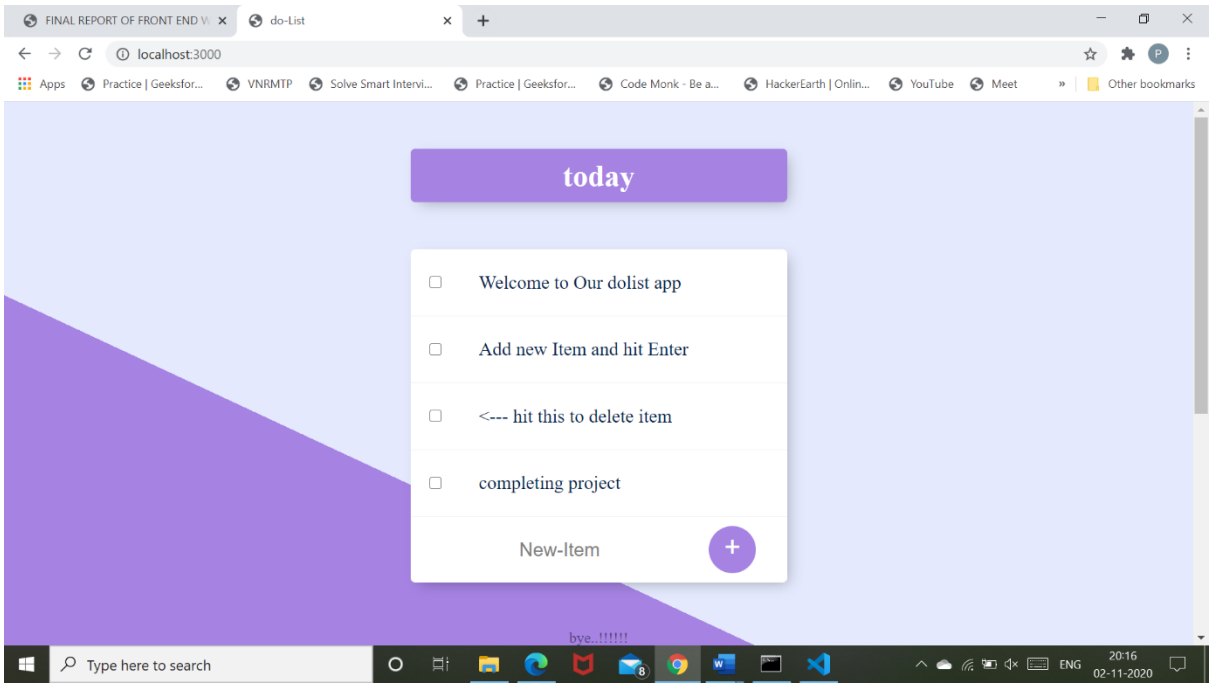
So whatever the list is opened the default items that are already present in list are welcome to our dolist app,add new item and hit enter and ← hit this to delete item .So that the user can easily understand what the functionality will it provide.

Start page of do-list:

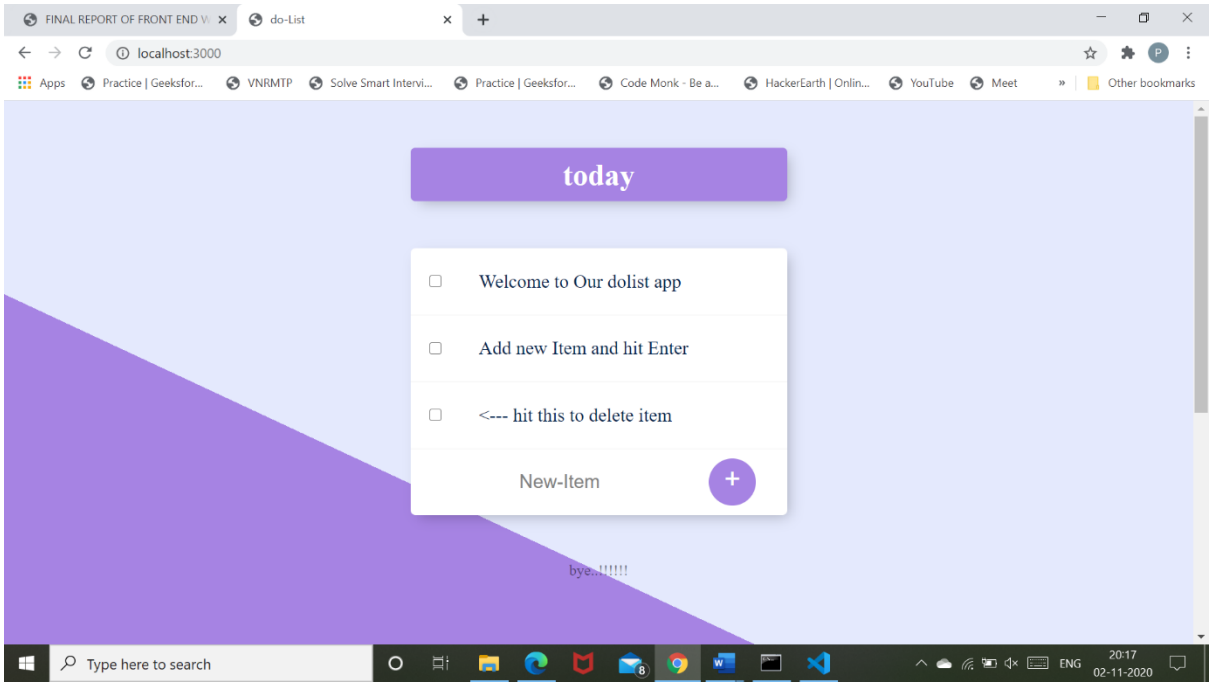
By default the list name will be today and we can give our wish name by creating custom list.



After adding an item to list(completing project):

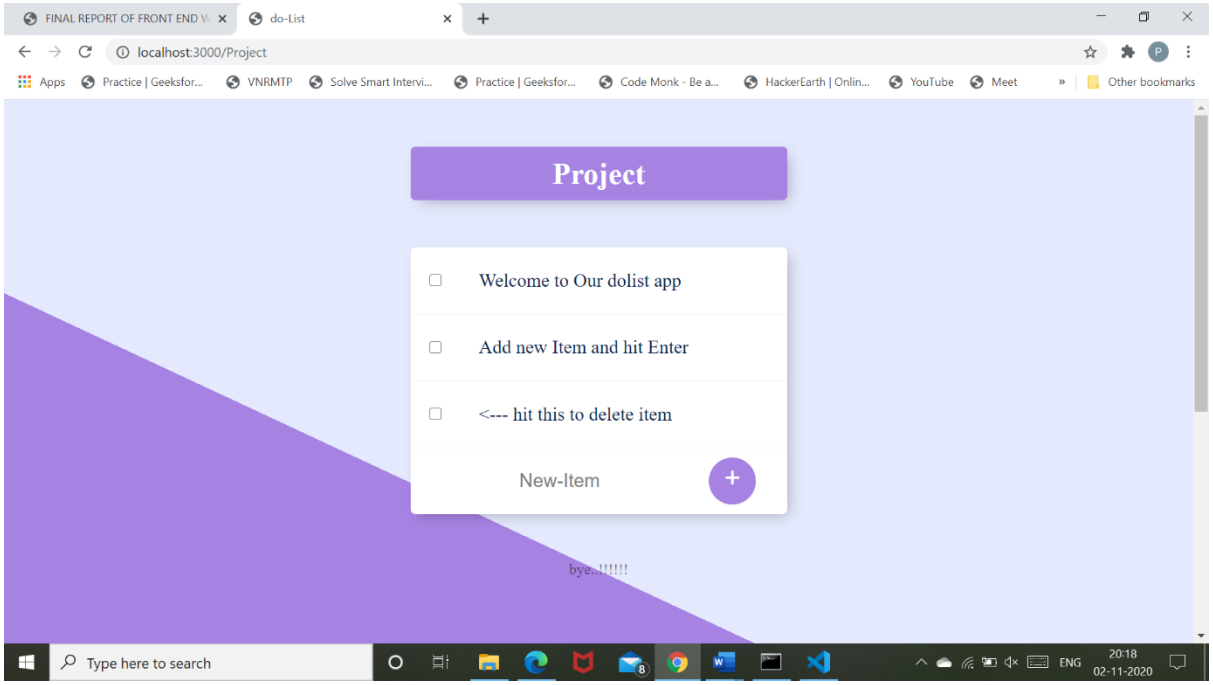


After deleting the item(completing project):

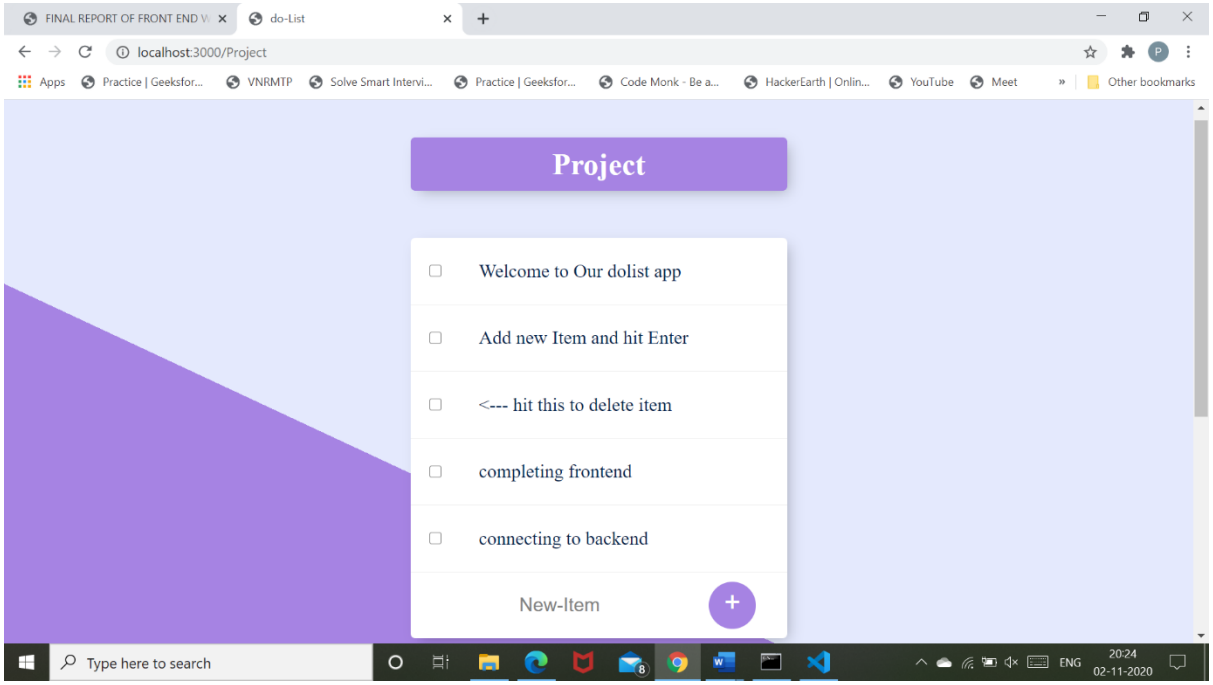


Creating custom list on name(project):

Here the list name is the custome list name i.e:project so the list name will be the same i.e.project.



Adding items to custom list project:



Deleting an item from custom list project: