```
In [3]: !pip install -Uqq fastbook
        import fastbook
        fastbook.setup_book()
        from fastai.vision.all import *
        from fastai.vision.widgets import *
```

The Amazing Mango Classifier

If you need to know whether your mango is unripe, ripe or rotten? THen youve come to the right place! Take a pic of your mango in question and click upload to classify it.

```
In [10]: path = Path()
         learn_inf = load_learner(path/'export.pkl', cpu=True)
         btn_upload = widgets.FileUpload()
         out_pl = widgets.Output()
         lbl_pred = widgets.Label()
         btn_run = widgets.Button(description='Classify')
```

```
In [11]: def on_click_classify(change):
             img = PILImage.create(btn_upload.data[-1])
             out_pl.clear_output()
             with out_pl: display(img.to_thumb(128,128))
             pred,pred_idx,probs = learn_inf.predict(img)
             lbl_pred.value = f'Prediction: {pred}; Probability: {probs[pred_idx]:.04f}'
```

```
In [12]: btn_upload.observe(on_click_classify, names=['data'])
```

```
In [13]: display (VBox([widgets.Label('Select your mango!'),
                 btn_upload, btn_run, out_pl, lbl_pred]))
```