

# DatePickerFragment

```
package com.example.criminalintent_website

import android.app.DatePickerDialog
import android.app.Dialog
import android.os.Bundle
import android.widget.DatePicker
import androidx.fragment.app.DialogFragment
import java.util.*

private const val ARG_DATE = "date"

class DatePickerFragment : DialogFragment() {

    // interface to allow the date to be passed to CrimeFragment
    interface CallBacks {
        fun onDateSelected(date: Date)
    }

    // Create a Date Picker dialog
    override fun onCreateDialog(savedInstanceState: Bundle?): Dialog {

        // Get the date from the dialog and send it back to CrimeFragment's CallBacks function
        val dateListener = DatePickerDialog.OnDateSetListener {
            _: DatePicker, year: Int, month: Int, day: Int ->
            val resultDate: Date = GregorianCalendar(year, month, day).time
            targetFragment?.let { fragment ->
                (fragment as CallBacks).onDateSelected(resultDate)
            }
        }

        val date = arguments?.getSerializable(ARG_DATE) as Date
        val calendar = Calendar.getInstance()
        calendar.time = date
        val initialYear = calendar.get(Calendar.YEAR)
        val initialMonth = calendar.get(Calendar.MONTH)
        val initialDay = calendar.get(Calendar.DAY_OF_WEEK)

        return DatePickerDialog(
            requireContext(),
            dateListener,
            initialYear,
            initialMonth,
            initialDay)
    }

    companion object {
        fun newInstance(date: Date): DatePickerFragment {
            val args = Bundle().apply {
                putSerializable(ARG_DATE, date)
            }
            return DatePickerFragment().apply {
                arguments = args
            }
        }
    }
}
```