



# Fill out PDF with XFDF

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Majority of gov systems still  
employ manual data entry



# You must be kidding!!





# Solution: XFDF



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A screenshot of a 'Australian Apprenticeship Sign-up Form' from the Australian Apprenticeships Centre. The form is populated with various details. Key sections include: 'Employer details' with fields for trading name, contact name, email, workplace address, suburb, state, postcode, and phone; 'Australian Apprentice details' with fields for name, phone, and qualification; 'Issues discussed at this visit' with a list of checkboxes for topics like RTO choice, funding, and legal implications; 'Employer Declaration' and 'Australian Apprentice Declaration' sections with signature and date lines; and a footer with the date '1 December 2011'. A large, semi-transparent 'PDF' watermark is overlaid on the bottom right of the form.

(Populated Fields)

# What is XFDF?

- XML Forms Data Format
- Populate PDF forms with data
- XML transliteration of FDF
- Tool: pdftk or iText-based application





```
<?xml version="1.0" encoding="UTF-8"?>
<xfdf xmlns="http://ns.adobe.com/xfdf/" xml:space="preserve">
  <f href="file_name.pdf"/>
    <fields>
      <field name="first_name">
        <value>Trung</value>
      </field>
      <field name="last_name">
        <value>Le</value>
      </field>
    </fields>
    <ids original="4F85D0ED1E2D495495B6B2F3947199"
modified="E73F05AB691E40E728BBD9507B4"/>
  </xfdf>
```



# pdftk magic!!

```
pdftk input.pdf fill_form data.xfdf output populated.pdf
```



# Nguyễn gem

- pdftk wrapper
- Extract field names from PDF
- Merge fields with FDF/XFDF
- Fork me at [github.com/joneslee85/nguyen](https://github.com/joneslee85/nguyen)



# Demo



# Thank you Question Time

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