

Encoder
- input_file: str - output_file: str
+ Encoder(input, output): void - encode(): void - build_frequency(filename): Heap - build_tree(heap: Heap): SaplingNode - build_lexicon(SaplingNode): Mapping

TreeBuilder <<Static struct>>
+ saplings: Heap
+ build(): SaplingNode

Decoder
- input_file: str - output_file: str - lexicon: Mapping
+ Decoder(lexicon, input_file, output_file): void + Decoder(input_file, output:file): void + decode(): void - get_lexicon(): Mapping - write_lexicon(): void - parse_encoding(): void - write(): void

SaplingNode
- key: string - value: int - left_child: SaplingNode - right_child: SaplingNode
+ SaplingNode(): void + get_key(): string + get_value(): int + get_left_child(): SaplingNode + get_right_child(): SaplingNode